CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Jan. 30	Hammond, Ind.	Jan. 5
Jan. 30	Indianola, Ia.	Jan. 5
Jan. 30	St. Paul, Minn.	Jan. 26
Jan. 31	Lawrence, Kan.	Jan. 26
Jan. 31	Atlanta, Ga.	Dec. 29
Jan. 31	Ottawa, Ont.	Jan. 19
Feb. 4	Jamestown N. Y.	Jan. 12
Feb. 4	Buffalo, N. Y.	Jan. 19
Feb. 6	Highland, N. C.	Jan. 26
Feb. 6	Scappoose, Ore.	Jan. 5
Feb. 6	Madera, Cal.	Jan. 26
Feb. 6	Bowling Green, Ky.	Jan. 26
Feb. 7	Brillion, Wis.	Jan. 26
Feb. 10	Lockport, La. Adv. Jan. 26.	Jan. 26
Feb. 14	Detroit, Mich. Adv. Jan. 26.	Jan. 26
Feb. 21	Galveston, Tex. Adv. Jan. 26.	Jan. 26
Mar. 20	New Orleans, La. Adv. Jan. 26.	Jan. 26

SEWERS

Jan. 31	Davenport, Ia.	Jan. 26
Jan. 31	Carthage, Mo.	Jan. 26
Feb. 2	Buffalo, N. Y.	Jan. 26
Feb. 3	Milwaukee, Wis.	Jan. 12
Feb. 6	Rome, N. Y.	Jan. 5
Feb. 6	Northville, Mich.	Jan. 12
Feb. 6	Corbin, Ky.	Jan. 26
Feb. 7	Columbus, O.	Jan. 26
Feb. 7	Park Ridge, Ill.	Jan. 26
Feb. 7	Springwells, Mich.	Jan. 12
Feb. 7	Brillion, Wis.	Jan. 19
Feb. 13	Oil City, Pa.	Jan. 19

WASTE DISPOSAL

Feb. 6	New Orleans, La.	Jan. 19

BRIDGES

Jan. 31	Bennettsville, S. C.	Jan. 26
Jan. 31	La Grange, Tex.	Jan. 26
Jan. 31	Lawrence, Kan.	Jan. 26
Jan. 31	Winnebago, Ill.	Jan. 26
Feb. 1	West Palm Beach, Fla.	Jan. 26
Feb. 1	Superior, Wis.	Jan. 19
Feb. 1	Sea Bright, N. J.	Jan. 12
Feb. 1	Avon, N. J.	Jan. 12
Feb. 2	Camden, S. C.	Jan. 26
Feb. 2	Prescott, Wis.	Jan. 12
Feb. 6	Bath, N. C. Adv. Jan. 12 to 26.	Jan. 12
Feb. 6	Montesano, Wash.	Jan. 19
Feb. 6	Tolt, Wash.	Jan. 26
Feb. 7	Boonville, Mo.	Jan. 12
Feb. 7	North Carolina	Jan. 19
Feb. 10	Missouri	Jan. 26
Feb. 13	Victoria, B. C. Adv. Jan. 12 to 26.	Jan. 19
Feb. 14	Utah Adv. Jan. 19 and 26.	Jan. 19
Feb. 18	Missouri	Jan. 12
Feb. 20	Altamont, Cal.	Jan. 26
Feb. 21	Lake Charles, La. Adv. Jan. 19 and 26.	Jan. 19
Oct. 31	Sydney, Australia Adv. Jan. 12 to 26.	Jan. 12

EXCAVATION AND DREDGING

Jan. 30	Olinda, Cal.	Jan. 19
Feb. 2	Glencoe, Minn.	Jan. 26
Feb. 7	Woonsocket, S. D.	Jan. 12

STREETS AND ROADS

Jan. 30	Buffalo, N. Y.	Jan. 19
Jan. 30	Herrin, Ill.	Jan. 19
Jan. 30	Winner, S. D.	Jan. 12
Jan. 31	Gastonia, N. C.	Jan. 19
Jan. 31	Lake Wales, Fla.	Dec. 22
Jan. 31	Ohio	Jan. 12
Jan. 31	Lakeland, Fla.	Jan. 19
Jan. 31	La Grange, Tex.	Jan. 26
Feb. 1	Canadian, Tex.	Jan. 26
Feb. 1	Brooklyn, N. Y.	Jan. 26
Feb. 1	Cleveland, O.	Jan. 26
Feb. 1	Long Island City, N. Y.	Jan. 26
Feb. 1	West Palm Beach, Fla.	Jan. 26
Feb. 1	East St. Louis, Ill.	Jan. 5
Feb. 1	Belvidere, N. J. Adv. Jan. 12 to 26.	Jan. 12
Feb. 1	Faribault, Minn.	Jan. 19
Feb. 2	Brooklyn, N. Y.	Jan. 26
Feb. 3	Clarinda, Ia.	Jan. 26
Feb. 3	Hillsdale, Mich.	Jan. 26
Feb. 6	Martinez, Cal.	Jan. 19
Feb. 6	Montesano, Wash.	Jan. 19
Feb. 6	Norfolk, Va. Adv. Jan. 26.	Jan. 26
Feb. 6	San Luis Obispo, Cal.	Jan. 19
Feb. 6	Salem, N. J. Adv. Jan. 19 and 26.	Jan. 19
Feb. 6	California	Jan. 19
Feb. 6	Monroe, N. C.	Jan. 19
Feb. 7	North Carolina	Jan. 26
Feb. 7	Englewood, N. J. Adv. Jan. 26.	Jan. 26
Feb. 7	Sanford, Fla.	Jan. 19
Feb. 7	Pikeville Ky.	Jan. 5
Feb. 7	Missouri	Jan. 26
Feb. 8	Ft. Dodge, Ia.	Jan. 19
Feb. 8	Sturgis, Mich.	Jan. 12
Feb. 10	Missouri	Jan. 26
Feb. 10	Hiawatha, Kan.	Jan. 26
Feb. 13	South Pasadena, Cal.	Jan. 26
Feb. 14	Oswego, Kan.	Jan. 12
Feb. 14	California	Jan. 26
Feb. 14	Greenfield, Ind.	Jan. 26
Feb. 14	West Bend, Wis.	Jan. 26
Feb. 15	Huntington, W. Va.	Jan. 26
Feb. 15	Woodbury, N. J. Adv. Jan. 26.	Jan. 26
Feb. 16	Missouri	Jan. 26
Feb. 16	Port Townsend, Wash.	Jan. 26
Feb. 17	Ottawa, Kan.	Jan. 26
Feb. 28	Washington	Jan. 19
Mar. 1	Duluth, Minn.	Jan. 5
Mar. 14	Sheboygan Falls, Wis.	Jan. 26

INDUSTRIAL WORK

Jan. 30	Louisville, Ky.	Jan. 19
Jan. 31	St. Louis, Mo.	Jan. 26
Feb. 1	Escanaba, Mich.	Jan. 19
Feb. 1	Phila., Pa.	Jan. 19
Feb. 1	Phila., Pa.	Jan. 26
Feb. 11	Bozeman, Mont.	Jan. 26
Feb. 11	Missoula, Mont.	Jan. 26
Feb. 15	Duluth, Minn.	Jan. 26
Feb. 15	Phila., Pa.	Jan. 19

BUILDINGS

Jan. 30	Grand Rapids, Mich.	Dec. 22
Jan. 30	Columbus, O.	Jan. 5
Jan. 30	Fond du Lac, Wis.	Jan. 19
Jan. 30	New York, N. Y.	Jan. 26
Jan. 31	Sheboygan, Wis.	Jan. 19
Jan. 31	Toulon, Ill.	Jan. 26
Jan. 31	St. Louis, Mo.	Jan. 26
Jan. 31	Boston, Mass.	Jan. 26
Feb. 1	Boston, Mass.	Jan. 26
Feb. 1	Rockford, Ill.	Jan. 19
Feb. 1	Williamsport, Pa.	Sept. 8
Feb. 1	Duluth, Minn.	Oct. 27
Feb. 1	Dallas, Tex.	Jan. 5
Feb. 1	Nashville, Tenn.	Jan. 12
Feb. 1	Porterville, Cal.	Jan. 19
Feb. 1	Lyons, N. Y.	Jan. 19
Feb. 2	Battle Ground, Ind.	Dec. 29
Feb. 2	Butler, Ind.	Jan. 12
Feb. 2	St. Louis, Mo.	Jan. 19
Feb. 2	Cleveland, O.	Jan. 26
Feb. 4	Buchanan, Mich.	Jan. 19
Feb. 5	Ottawa, Ont.	Jan. 26
Feb. 6	Ottawa, Ont.	Jan. 26
Feb. 6	Cleveland, O.	Jan. 26
Feb. 6	Gardner, Mass.	Jan. 26
Feb. 7	Lakeland, Fla.	Jan. 26
Feb. 8	Elizabeth, N. J.	Jan. 19
Feb. 8	Columbus, O.	Jan. 19
Feb. 8	Frankfort, Ind.	Jan. 12
Feb. 8	Peabody, Kan.	Jan. 26
Feb. 9	Columbus, O.	Jan. 26
Feb. 9	Detroit, Mich.	Jan. 26
Feb. 9	Rockford, Ill.	Jan. 26
Feb. 9	Southport, N. C.	Jan. 26
Feb. 14	Canton, S. D.	Jan. 26
Feb. 14	Sacramento, Cal.	Jan. 19
Feb. 15	Corning, N. Y. Adv. Jan. 26.	Jan. 26
Feb. 15	Newcastle, Ind.	Jan. 26
Feb. 18	London, Ont.	Jan. 12
Feb. 25	Rockford, Ill.	Jan. 26
Mar. 1	Phila., Pa.	Jan. 26
Mar. 1	Johnstown, Pa.	Jan. 26
Mar. 8	Clinton, Ind.	Jan. 26

FEDERAL GOVERNMENT WORK

Jan. 30	Dredging — Wilmington, Del. Adv. Jan. 5 to 26.	Jan. 5
Jan. 31	Refrigerating Plant—Alexandria, La.	Jan. 19
Feb. 1	Refrigerating and Cold Storage Plant—San Diego, Cal.	Jan. 19
Feb. 1	Kitchen Equipment—Gulfport, Miss.	Jan. 19
Feb. 1	Jetty—Wilmington, Del. Adv. Jan. 5 to 26.	Jan. 5
Feb. 1	Boiler House, etc.—Rantoul, Ill. Adv. Jan. 26.	Jan. 26
Feb. 1	Piping—Charleston, S. C.	Jan. 26
Feb. 6	Construction and Mechanical Equipment—Otsen, N. C.	Jan. 12
Feb. 7	Remodeling Hospital—Boston, Mass.	Jan. 19
Feb. 10	Changes in Construction, etc.—Boise, Idaho	Jan. 26
Feb. 13	Post Office—Oconto, Wis.	Jan. 26
Feb. 15	Barracks, etc. — San Diego, Cal. Adv. Jan. 19 and 26.	Jan. 19
Feb. 17	Steel Hull—Louisville, Ky. Adv. Jan. 26.	Jan. 26
Feb. 23	Dredging—Norfolk, Va. Adv. Jan. 26.	Jan. 26
Mar. 9	Water Supply Line—Honolulu, H. T.	Jan. 19

MISCELLANEOUS

Jan. 27	Heating and Ventilating Apparatus—Brooklyn, N. Y.	Jan. 26
Jan. 31	Road Roller—Orillia, Ont.	Jan. 19
Jan. 31	Foundation — Hibbing, Minn.	Jan. 26
Jan. 31	Block Signals—Phila., Pa.	Jan. 26
Feb. 1	Cement—Red Wing, Minn.	Jan. 26
Feb. 1	Dredge Cable — Portland, Ore.	Jan. 19
Feb. 1	Pumping Equipment — New Britain Conn. Adv. Jan. 19 and 26.	Jan. 19
Feb. 3	Reinforcing Steel—Milwaukee, Wis.	Jan. 19
Feb. 6	Electric Capstans—New Orleans, La. Adv. Jan. 26.	Jan. 26
Feb. 7	Shafts and Tunnel—Jersey City, N. J.	Dec. 29
Feb. 7	Steam Heating and Plumbing, etc.—Fernwood (Trenton P. O.), N. J. Adv. Jan. 19 and 26.	Jan. 26
Feb. 7	Ornamental Lights — Long Branch, N. J. Adv. Jan. 26.	Jan. 26
Feb. 13	Subway — South Pasadena, Cal.	Jan. 26
Feb. 14	Cement—Toronto, Ont.	Jan. 26
Feb. 14	Cement—Went Bend, Wis.	Jan. 26
Feb. 15	Crane—Hammond, Ind. Adv. Jan. 26.	Jan. 26
Feb. 23	Tractor—St. Cloud, Minn.	Jan. 19
July 31	Power Equipment — Hibbing Minn.	Jan. 26

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. Y., Schoharie—Making plans for additional water supply $20,000. M. Vrooman, Gloversville, engr.

N. J., Vineland—Soon takes bids furnishing 6-12 in. c.i. pipe. $15,000. Remington & Vosbury, 6th and Market Sts., Camden, engrs.

N. C., Enfield—Plans waterworks system. $70,000. J. L. Burrows, clk.

Fla., Clearwater—Feb. 2, to vote on $40,000 bonds to extend water mains and install new pumping equipment. F. Booth, mayor.

Fla., Orlando—Plans election to vote on $150,000 bonds to rehabilitate and extend water plant and mains. Noted April 21.

Tenn., Memphis—Will sell $200,000 bonds in March for improving waterworks plant. W. H. Harrison, supt. Water Dept.

Wis., Lake Mills—Plans to install new pumping engine. N. H. Falk, clk.

Minn., Minneapolis—W. W. Elsberg, city engr., has filed report with city council recommending enlargement of filtration plant, construction of new pumping station, etc., $2,000,000.

Tex., Port Arthur—Attorney Generals Dept., Austin, approved $126,000 bonds for waterworks improvements, here. C. W. Hughes, city engr.

Waterworks (Continued)

Okla., Mill Creek—Voted $50,000 bonds for waterworks. Engineer not selected.

Okla., Vinita—Having surveys and plans prepared new water supply from Grand River, 12 mi. southeast from here, incl. transmission line, pumping station, pipe line, filtration plant and settling basins. $350,000 bonds voted. Burns & McDonnell Eng. Co., Interstate Bldg., Kansas City, Mo., engrs.

Cal., East Diego — Having plans prepared water distributing system, involving 30 mi. pipe lines. F. P. Ford, city engr.

Cal., Newport Beach—Dirs. Newport Heights Irrigation Dist. opens bids about Feb. 1, waterworks plant, reservoirs, pumping plants and distributing system. $160,000 bonds voted. Total $250,000. P. Kressby, H. W. Hellman Bldg., Los Angeles, engr.

Ont., Windsor — Border Cities Utilities Comn. having plans prepared by J. C. Keith, engr., 1246 Howard Ave., for joint filtration plant and reservoir to supply Windsor, Walkerville, Ford, Sandwich and Ojibway. $1,000,000.

BIDS DESIRED

N. C., Highland—Feb. 6, by C. E. Hefner, town treas., waterworks system. $25,000.

La., Lockport—Feb. 10, by Bd. Aldermen, waterworks system; adv. this issue.

La., New Orleans—March 20, by Sewerage and Water Bd., 526 Carondelet St., (a) 1,500-1,800 h.p. boilers, (b) centrifugal pumps, (c) electric machinery. G. G. Earl, genl. supt.; adv. this issue.

Ky., Bowling Green—Feb. 6, furnishing two 200 hp. oil engines, two 200 hp. steam turbine driven sets, 2 deep well, motor driven pumps, for pumping plant. F. Leune, Jr., clk.

Mich., Detroit—Feb. 14, by Bd. Water Comrs., 176 East Jefferson Ave., 40,000,000 gal. reservoir. T. A. Leisen, Water Works Park, engr.; adv. this issue.

Wis., Brillion—Feb. 7, by E. Gruett, clk., excavating and laying mains, steel tank, pumping equipment, 2 rein.-con. reservoirs, also brick and rein.-con. pumping station. $35,000. J. Donohue Co., 628 North 8th St., Sheboygan, engrs.

Minn., St. Paul—Jan. 30, by H. W. Austin, city purch, agt., Class B c.i. pipe, 1,288 ton, one hundred 12 ft. lengths 3 in. pipe; four hundred 12 ft. lengths, 4 in.; three thousand 12 ft. lengths, 6 in.; eight hundred 12 ft. lengths, 8 in.; two hundred 12 ft. lengths, 12 in.; four hundred 12 ft. lengths, 16 in.; also ten 3 in. and ninety 6 in. hub end, nut operated non-rising stem gate valves. O. Claussen, city engr.

Kan., Lawrence—Jan. 31, S. D. Brooks, city clk., one 100 kw., a.c. generator. B. L. Wolfe, city engr.

Tex., Galveston—Feb. 21, at office of J. D. Kelley, secy., City Hall, machinery and equipment for Alto Loma pumping station; adv. this issue.

Wash., Walla Walla—Furnishing 11,250 ft. 24 in. with ⅝ in. wall incl. all fittings, bolts, etc. for extending water 2 mi. long, to Wilamette Iron & Steel Wks., 462 North Front St., Portland, Ore., $53,550. Noted Jan. 19.

Cal., Madera—Feb. 6, by City Trustees, 75 hp. motor turbine pumping plant, 950 gal. capacity per min. F. Nikirk, city engr.

CONTRACTS AWARDED

Pa., Phila.—For piping at Queens Lane and Larners Point pumping stations, to W. K. Mitchell & Co., 2940 Ellsworth St., $11,833; steel connecting flues and economizers, to Phila. Tank & Stack Wks., Phila., $7,388; general construction of foundations for Belmont pumping station, to Mitchell-Houseworth Co., 30th and Lehigh Aves, $21,747. Noted Jan. 12.

Ind., Marion — Alterations in pumping station and new 5,000,000 gal. steam pump, to C W. Bailey, Marion, $50,000. Noted Dec. 29.

Kan. Hoxie—For waterworks system, 21,270 lin. ft. 4, 6 and 8 in. c.i. pipe, 40,000 gal. tank, 100 ft. tower, etc., to Reed & Wheelock, Clay Center, $31,068.

N. D., Fargo — Equipping 2 additional units at filtration plant, to Norwood Eng. Co., Florence, Mass., $27,000. Noted Aug. 5.

Utah, Salem—For 8,000 ft. 4-5 in. c.i. gravity flow line, 30,000 ft. 1¼-4 in. steel pipe and 75,000 gal. concrete reservoir, to F. S. Whitney, Eureka, $20,000. Noted Sept. 29.

Sewers

PROPOSED WORK

N. Y., Coxsackie—Making plans for sewerage system and disposal plant. $100,000. M. Vrooman, Gloversville, engr.

Md., Easton—Plans extending sewerage system. L. G. Kastenhuber, Jr., Easton, engr.

Va., South Boston—Plans remodeling and building additions to sewerage system, by day labor. $50,000. J. B. Wilborne, mayor.

N. C., Enfield—Plans sewerage system. $70,000. J. L. Burrows, clk.

Ill., Wheaton — Making plans disposal plant. $200,000. L. J. Ruddock, City Hall, engr.

Mich., Detroit—Had plans prepared 4,435 ft. Dequindre Ave. Arm of Seven Mile Rd. Sewer, in Dequindre Ave. from Seven Mile Rd. to Winchester Ave., 4 ft. to 7 ft. 9 in.; 2,271 ft. Coon Ave. Arm west in Coon Ave. from Wyoming to Manor Aves., 3 ft. 3 in. to 4 ft. 6 in.; 3,540 ft. Joann Rd. Arm of Gratiot Ave. Sewer in Joann Rd. from Portlance to Gratiot Aves., 3 ft. to 6 ft. 3 in.; 1,628 ft. Buena Vista Arm of Wyoming Ave. Sewer in Buena Vista Ave. from Wyoming Ave. to Northlawn Blvd., 4 ft. 3 in. to 5 ft.; 2,600 ft. Fenelon Ave. Arm of Lynch Rd. Sewer in Fenelon Ave. from Charles to Harold Aves., 2 ft. 6 in. to 4 ft. 9 in.; 4,428 ft. Livernois Ave. Arm of Seven Mile Rd. Sewer, in Livernois Ave. from Seven Mile Rd. to Norfolk Ave., 4 ft. to 6 ft.; all foregoing brick, monolithic concrete or segment block; 2,387 ft. Woodward Ave. Arm Sewer from Seven Mile Rd. to Strathaconda Drive, 12 in. to 4 ft. 6 in. cylinder, concrete, brick, segment block or vitr. crock. C. W. Hubbell, city engr.

Wis., Iron Ridge — Plans vitr. sanitary and storm sewers, also 1 story, brick and tile septic tank. $25,000. J. Donohue, 628 North 8th St., Sheboygan, engr.

Ia., Burlington—Plans sanitary sewer in Lucas Ave. $35,000. H. A. Vollmer, city engr.

Tex., Port Arthur—Attorney Generals Dept., Austin, approved $65,000 bonds for sewer extensions, here. C. W. Hughes, city engr.

Cal., San Anselmo—Marin Co. Sanitary Dist. 1 takes bids about May, 7½ mi. main trunk line and outfall sewerage system. $200,000 bonds voted. C. C. Kennedy, 58 Sutter St., San Francisco, consult. engr.

Ont., Walkerton—Having plans prepared 8 and 10 in. tile sewers in Durham and Jackson Sts. $28,000. Prices wanted on tile. F. W. Lippert, Walkerton, engr.

BIDS DESIRED

N. Y., Buffalo—Feb. 2, by Commissioner Pub. Wks., Municipal Bldg., 10-24 in. tile sewers in 7 various streets. G. H. Norton, Municipal Bldg., engr.

Ky., Corbin—Feb. 6, by J. C. Myers, clk., disposal plant, 95,000 gal. capacity, rein.-con. tank. F. W. Reed, city engr.

O., Columbus—Feb. 7, by W. H. Duffy, dir. Pub. Serv., 11,130 ft. 12-72 in. trunk sewers in Wilson Ave., etc. $126,000. R. H. Simpson, City Hall, engr.

Ill., Park Ridge—Feb. 7, by City Clerk, sewer piping and pumps. Pearse, Greeley & Hansen, 39 West Adams St., Chicago, engrs.

Ia., Davenport—Jan. 31, sanitary sewer in Duck St. Dist. $90,000. R. Earle, city engr. Noted Nov. 17.

Mo., Carthage—Jan. 31, for 8-36 in. vitr. tile sewers in Sanitary Sewer Dists. 41, 50 and 53. $150,000. F. B. Newton, Carthage, engr.

BIDS RECEIVED

Mass., Boston—Dept. Pub. Wks., Dorchester Brook Sewer in Norfolk Ave., 530 ft. concrete sewer, 8 ft. 10 in. x 9 ft. 10 in., from A. Cefalo, Roslindale, $33,095; C. & R. Constr. Co., 3 Tremont Row, $33,620; S. J. Tomascello, 11 Cushing Terrace, $33,968.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., opened bids Jan. 18, reconstructing sewer in 14th St., etc., from P. J. Kearns Contg. Co., 2306 Creston Ave., $36,709; F. Frey, 818 Ocean Parkway, Brooklyn, $36,888; H. L. Connell, 100 West 41st St., $37,312. Noted Jan. 12.

N. J., Newark—Passaic Valley Sewerage Comrs., 128 Market St., opened bids Jan. 17, sewage screening machinery, installed at Newark Bay Pumping Sta., from Shevlin Eng. Co., Inc., 110 West 34th St., New York, $55,660; Davis & Averill, Inc., 275 Emmett St., $65,647; W. A. Kinsey, 196 Market St., $75,000.

Wis., Kenosha—Bd. Pub. Wks. opened bids Jan. 13, 9,400 ft. segment and vitr. sewers in Lakewood, Durkee, Sherman and Arlington Aves., Exchange and Plymouth Sts., Kenwood, Beverly and Belmont Places, from Van Doeselaar-Cevaal Co., Sheboygan, $39,454; M. Thompson, 1020 Salem Ave., Kenosha, $45,206; D. Anglemeyer, Kokomo, Ind., $45,720.

CONTRACTS AWARDED

Mich., Dearborn — For East Side Storm Water Sewer, 3 ft. 6 in. to 4 ft. 9 in. concrete or brick, to J. Porath, 34 McGraw Bldg., Detroit, $32,831. Noted Jan. 12.

Mich., Detroit—For Lateral Sewer 3586, to R. D. Baker, 1631 Elmhurst Ave., $25,500; Six Mile Rd. Sewer, Sect. 4, to J. A. Mercier, 216 Hammond Bldg., $230,350. Noted Jan. 19.

Waste Disposal

PROPOSED WORK

W. Va., Charleston—See "Streets and Roads."

Bridges

PROPOSED WORK

N. Y., Buffalo—Amer. & Canadian Bridge Comn., 917 Ellicott Sq. Bldg., having preliminary sketches made 2,800 ft. truss type bridge, concrete piers, concrete approaches at each end, two 6 ft. sidewalks, passageways for vehicular and electric car line traffic, over Niagara River between here and Ft. Erie, Ont., Can. $2,500,000. Lupfer & Remick, Ellicott Sq. Bldg., engrs. Noted Nov. 3.

Pa., Milton—Comrs. Union Co. (Lewisburg), and Northumberland Co. (Sunbury), take bids within 2 months, 160 ft. rein.-con. and steel bridge, over Susquehanna River between here and West Milton. $180,000.

O., Columbus—Had estimates revised for 3rd St. viaduct, incl. opening of 80 ft. street from railroad tracks north to Warren St. $1,000,000. R. H. Simpson, city engr. Noted Jan. 20, 1921.

O., Columbus—See "Dams."

Ia., Corning—Adams Co. plans bridge work on Project 109, Blue Grass Rd., from here east to county line, 1,373 cu.yd. concrete, 77,850 lb. structural steel and 2,592 lin.ft. piling. $45,034. P. V. Saum, Corning, engr.

Ia., Fairfield—Jefferson Co. plans bridge work on Blue Grass Rd., Fairfield-Coppock Rd. and Fairfield-Keota Rd., 1,880 cu.yd. concrete, 65,000 lb. structural steel, 2,000 lin.ft. piling. $57,667. A. C. Turner, aud. M. H. Bryant, Fairfield, engr.

Ia., Ft. Madison — Plans prepared for Primary Bridge Project 100, bridge and culvert work, on Mt. Clara-Montrose Rd., Ft. Madison-West Point Rd. between Ft. Madison and Courtrights corner, and Red Ball Route between Courtrights corner and Keokuk, 3,335 cu.yd concrete, 95,000 lb truss steel, 46,180 lb. I-beam steel and 5,500 lin.ft. piling. $88,543. M. F. McFarland, Ft. Madison, engr.

Ia., Guthrie Center—Guthrie Co. plans bridge work on Project 78, from Adair to Stuart, and from east line Sect. 6, Valley Twp. to Panora, 3,200 cu.yd. concrete, 68,500 lb. structural steel, 2,900 lin.ft. piling. $87,295. L. B. Anderson, aud.

Ia., Mt. Pleasant—Henry Co. plans bridge work on Project 50, Blue Grass Rd. from here west to county line, 1,015 cu.yd. concrete, 354,000 lb. structural steel, 3,100 lin.ft. piling and 400 lin.ft. concrete piling approach. $88,242. C. E. Smith, Mt. Pleasant, engr.

Ia., Washington—Washington Co. plans bridge work on Washington-Sigourney and Washington-Ainsworth Rds., Project 86, 1,509 cu.yd. concrete, 207,000 lb. structural steel and 2,688 lin.ft. piling. $59,777. A. L. Griffith, aud.

N. D., Bowbells—Burke Co. (Bowbells), and Ward Co. (Minot), plan concrete and steel bridge over Des Lacs Lake. $100,000. C. J. Kopriva, aud. Burke Co.

Ont., Ft. Erie—See "Buffalo, N. Y."

BIDS DESIRED

S. C., Bennettsville—Jan. 31, by Marlboro Co., 2 concrete bridges on W. A. Highway, one having three 20 ft. and other four 20 ft. spans; concrete bridge, two 20 ft. spans, at McLaurins Mill. B. M. English, Bennettsville, engr.

S. C., Camden—Feb. 2, by Comrs. Kershaw Co., bridge over Little Lynches River and one over Big Lynches River, creosoted timber, 4,100 lin.ft. piling, 91,711 ft. lumber, 1,204 sq.yd. bituminous surfacing, etc. J. D. Gregory, Camden, engr.

Fla., West Palm Beach — Feb. 1, by Comrs. Palm Beach Co., 8 bridges; superstructures to be of movable type with spans of sufficient length to allow clear horizontal opening of 50 ft. between fenders, 16 ft.

Bridges (Continued)

roadways, spans to be designed for capacity of 12 ton standard road roller loading, concrete substructures. H. Harris, chn.

Ill., Winnebago—Jan. 31, by Pecatonica Co., c/o R. Carter, supt. highways, Court House, Rockford, Hance Bridge, rein.-con., 2 concrete abutments, to have one 40 ft. steel truss span, gravel and clay river embankments, two cofferdams, earth filled approaches, 18 ft. rein.-con. roadway, $30,000.

Kan., Lawrence—Jan. 31, by Douglas Co., c/o G. S. Brune, Thatcher Bridge, 108 ft. long, steel, concrete abutments and piers, to have two 54 ft. truss spans. $30,000. E. E. Trueblood, Lawrence, engr.

Missouri—Feb. 10, State Hy. Dept. at div. office Moberly, rein.-con. low water bridge on Sta. 173 plus 80, $7,737; 75 ft. pony truss with two 20 ft. rein.-con. slab spans, on Sta. 206 plus 00, $13,307; 16 ft. rein.-con. slab span skewed bridge on Sta. 225 plus 95, $5,321. All above on Federal Aid Project 44, Sect. A, Randolph Co. A. Graham, Jefferson City, state highway engr.

Tex., La Grange — Jan. 31, by J. P. Ehlinger, Judge Fayette Co., 197 ft. rein.-con. arch bridge over East Navidad River, 262 cu.yd. Class A and 322 cu.yd. Class B concrete, 85,780 lb. reinforcing and 1,180 lb. structural steel, etc., $29,333. A. Schlaffi, Co. engr.

Wash., Tolt—Feb. 6, by Comrs. King Co. (Seattle) 200 ft. curved chord Pratt truss riveted span bridge, concrete piers, 400 ft. trestle approach, over Snoqualmie River, here. $35,000. T. R. Beeman, Seattle, engr.

Cal., Altamont—Feb. 20, by Bd. Supervs. Alameda Co. (Oakland), rein.-con. viaduct over tracks of Central Pacific Ry., here, 500 cu.yd. excav., 1,600 cu.yd. 1-2-4 concrete, 260,000 lb. reinforcing, 6,300 lin.ft. rein.-con. piles. $68,000. G. A. Posey, surv.

CONTRACTS AWARDED

Pa., Phila. — Delaware River Bridge Comn., Widener Bldg., two main piers (Contr. 2) for bridge over Delaware River between here and Camden, N. J., to Holbrook, Cabot & Rollins Carp., 52 Vanderbilt Ave., New York, and Keystone State Constr. Co., 210 South 13th St., $1,669,275, caissons sublet to New York Shipbuilding Co., 120 Bway., New York; demolishing buildings to C. D. Heavy, 514 North 61st St. Noted Dec. 22.

Pa., Royersford — H. W. Smedley, controller Montgomery Co., Court House, Norristown, 3 span rein.-con. bridge over Schuylkill River between here and Spring City, to G. A. and F. M. Wagman, Dallastown, $84,500. Noted Dec. 29.

Illinois—Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, following bridges, 1 substructure for concrete, 1 steel, and 4 concrete spans, Route 13, Sect. 9-B, Saline Co.; 3 concrete, Route 13, Sect. 11-B, Gallatin Co., and 2 concrete, State Aid Route 6, Sect. F, Rock Island Co., to Thornton & Ginder, Arcola, $17,906, $6,975 and $4,322 respectively; 1 superstructure for steel, Route 13, Sect. 9-C, Saline Co., and 1 superstructure for steel, Route 13, Sect. 10-C, Gallatin Co., to Standard Eng. Co., 2463 Bway., Toledo, O., $8,699 and $17,806 respectively; 1 concrete and 1 substructure for steel, Route 13, Sect. 10-B, Gallatin Co., D. Jenkins, 501 Gilbert Ave., Terre Haute, Ind., $8,778. Noted Dec. 29.

Kan., Sedgwick—Comrs. Harvey and Sedgwick Counties, two 125 ft. span rein.-con. arch bridge across Little Arkansas River to Hyde Constr. Co., Enid, Okla., $35,136. Jan. 12, 1921.

Col., Buttes — State Highway Dept., Denver, 2.75 mi. steel truss bridge, concrete abutments, over Fountain River, here, Federal Aid 161, to Pueblo Bridge & Constr. Co., Pueblo, $57,117.

Dams

PROPOSED WORK

O., Columbus—Making plans and takes bids about March 1, for dam, 1,400 ft. long, 70 ft. high, 90,000 cu.yd. concrete and small amount Indiana limestone, also bridge with twelve 65 ft. arches, 17 ft. roadway and two 4 ft. sidewalks, 4 mi. north of Dublin. $3,000,000. C. B. Hoover, supt.

Cal., Fresno — See "Excavation and Dredging."

Railways

PROPOSED WORK

Ontario—City of Kitchener voted $63,000 bonds for street railway extensions, incl. steel rails, trolley poles, foundation paving, etc. S. Shupe, City Hall, Kitchener, engr.

Excavation and Dredging

PROPOSED WORK

Fla., West Palm Beach—Highland Glades D. D., c/o M. B. Lyman, W. S. Lockman, Sr. and G. S. Rowley, West Palm Beach, plans draining 19,000 acres between West Palm Beach Canal and Okeechobee Road Canal and west of here. $150,000. Engineer not announced.

Minn., Montevideo—Chippewa Co. making plans open ditch work and tiling in Ditch 13. $25,000. J. J. Stennes, aud.

Utah, Brigham—Elwood D. D. plans draining 4000 acres land into Bear and Malade Rivers. $125,000. Margetts & Kleinschmitt, Felt Bldg. Salt Lake City, engrs.

Utah, Logan—Cache D. D. 1 plans system to drain 25,000 acres, $750,000; D. D. 2, 8,000 acres, $240,000; D. D. 3, 27,000 acres, $810,000; D. D. 4, 25,000 acres, $750,000. T. H. Humpheries, Logan, engr.

Utah, Provo—Utah Co. D. D. 4 plans open ditch and tile work on 6,000 acres, 5-18 in. tile. $180,000. Margetts & Kleinschmitt, Felt Bldg., Salt Lake City, engrs.

Cal., Fresno—Mendota Irrigation Dist. plans election to vote on $600,000 bonds for concrete dam, 30 ft. high, 350 ft. long on top, 250 ft. long on bottom; 3 mi. power canal, 45 ft. wide; concrete headgate, 60 ft. wide, 10 ft. high; power house, using turbine water wheels and electric generators, fall 65 ft. A. Teilman, Box 1274, secy. J. D. Galloway, 1st Natl. Bank Bldg., San Francisco, engr.

BIDS DESIRED

Minn., Glencoe—Feb. 2, by McLeod Co., Ditch 35, 60,869 cu.yd. excav. and 46,380 ft. tile; Ditches 8 and 10, 46,000 cu.yd. excav. $30,000. J. J. Leasman, aud.

CONTRACTS AWARDED

Cal., Knightsen — Knightsen Irrigation Dist., furnishing machine made concrete pipe, digging trench and laying pipe and backfill to J. Kristich, Kings City, $41,561; furnishing 5,000 ft. 27 in. rein.-con. pipe to Western Reinforced Concrete Pipe Co., 6th and Utah Sts., Los Angeles, digging, lay pipe and backfilling latter project will be done by Dist.

Streets and Roads

PROPOSED WORK

Maine—State Hy. Dept., Augusta, plans 5.75 mi. gravel highway in Winn, $115,000, 8 mi. Milford and Greenbush, $160,000, 2.5 mi. Perry, $50,000, 2.5 mi. Livermore and Hartford, $50,000, 4 mi. Canton, $80,000, 3 mi. Mercer and New Sharon, $60,000, 5 mi. Rome Carner to New Sharon, $100,000, 2.5 mi. Jay, $50,000, 5 mi. North Turner, $100,000; concrete paving 8 mi. in New Gloucester and Auburn, $320,000, 2.5 mi. Farmingdale, $100,000, 4.75 mi. Orono, $190,000, 2.25 mi. Old Town, $85,000; bituminous macadam surfacing 4.5 mi. in Augusta, $140,000, 1.5 mi. Fairfield, $45,000, 1 mi. Rockport, $30,000; bituminous macadam or gravel surfacing 5 mi. Norridgewock, $125,000, 6 mi. Bridgton, $150,000. All 18 ft. P. D. Sargent, state highway engr.

N. J., Paulsboro—Plans paving various streets, bituminous and brick, etc. $150,000. Remington & Vosbury, 6th and Market Sts., Camden, engrs.

N. J., Trenton—Plans paving Chancery Lane, Passaic, Lalor, West End, Calhoun, Lincoln, Chambers, Monmouth, Muirhead, East Clinton, West Hanover, North Clinton, Princeton, Pennington, Canal, Clay, Cass, Stockton, Rutherford, Anderson, Emory, South Clinton, Cooper, Hudson, Taylor and Olden Sts., vitr. brick, granite block or asphalt. $500,000. A. Swan, City Hall, engr.

Va., Virginia Beach—Seventeenth St. Corp. takes bids about Feb. 15, leveling, concrete paving, curbing and guttering 8,000 ft. Atlantic Ave. from 17th to Casino Sts. $50,000. R. B. Myers, Sea Pines, Virginia Beach, pres. J. M. Baldwin, 118 Brooks Ave., Norfolk, engr.

W. Va., Charleston—Feb. 16, to vote on $490,000 bonds, extending and paving Washington and Lee Sts., and building incinerators. E. Bruce, city engr.

Fla., Clearwater—Feb. 21, to vote on $160,000 bonds paving 2 mi. various streets, brick or asphalt. E. Booth, mayor.

North Carolina—State Hy. Comn., Raleigh, plans clearing, grading and topsoiling 12 mi. road from Supply to point near Brunswick Station, State Project 315, Brunswick Co., $48,000, 12.7 mi. from end of Project 315 to Charlotte-Wilmington Highway, State Project 316, Brunswick Co., $50,000, 19.3 mi. from Windsor to Aulander, State Project 107, Bertie Co., $75,000, 10.9 mi. from Gatesville to Sunbury, State Project 132, Gates Co., $45,000, 16 mi. from Winton to Gatesville, State Project 131, Gates and Hertford Counties, $74,000, 16 mi. from Sunbury to end of brick road near Newland Church, State Project 133, Gates and Pasquotank Counties, $75,000, 11.8 mi from Nashville to Franklin Co. line, State Project 162, Nash Co., $50,000, 11.3 mi. from north end of Project 178 to Pasquotank Co. line, State Project 180, Perquimans Co., $45,000; grading and concrete or asphaltic paving 6 mi. Raleigh Rd. from Wilson to Finches Mill, State Project 292, Wilson Co., $180,000, 7.3 mi. from Wilson Co. line to Rocky Mount, State Project 161, Nash Co., $219,000, 6.02 mi. from Pitt Co. line to point near Chocowinity, State Project 101, Beaufort Co., $180,000, 8.7 mi. from Craven Co. line to Chocowinity, State Project 102, Beaufort Co., $261,000; grading and topsoiling 6.7 mi. from Bethel to Edgecombe Co. line, State Project 187, Pitt Co., $28,000, 7.5 mi. from Lee Co. line to Wake Co. line, State Project 403, Chatham Co., $30,000; clearing, grading and topsoiling 14.4 mi. from Louisburg to Nash Co. line, State Project 419, Franklin Co., $50,000; grading and gravel surfacing 2.7 mi. from Rowland to South Carolina State line, State Project 390, Robeson Co., $25,000. C. M. Upham, state highway engr.

N. C., Bessemer City — Plans widening and paving various streets. $50,000. Mees & Mees, Charlotte, engrs.

N. C., Sanford — Having surveys made concrete or asphaltic paving Hawkins and Charlotte Aves., Chatham, Carthage, Wicker, Moore, Steels and McIver Sts. $150,000. G. C. White, Durham, engr.

N. C., Troy — Montgomery Co. plans clearing, grading and topsoiling 13 mi. road. $38,000. L. V. Edwards, Winston-Salem, engr.

N. C., Wilkesboro — Plans paving 16th and C Sts. $50,000.

Florida—State Rd. Dept., Tallahassee, rejected bids received Jan. 5, hardsurfacing 19.239 mi. Project 3, Volusia Co. Noted Jan. 12.

Fla., Ft. Myers—Plans paving 5,500 ft. Palm Rhode Island, Providence, Triangle and Evans Sts., 14,000 sq.yd. concrete and 11,020 lin. ft. concrete curbing. $60,000. C. P. Staley, city mgr.

Fla., St. Augustine—Plans paving various streets, rock and asphalt. $50,000. E. Master, city mgr.

Fla., Titusville—Brevard Co. to vote on $200,000 bonds for 9 mi. road from Cocoa to Beach. H. B. Smith, Titusville, engr.

Alabama—State Hy. Dept. Montgomery, plans grading and sand clay surfacing 10 mi. Bee Line Highway from Ozark to Choctawhatchee River, 24 ft.; 5 mi. Bee Line Highway, from Troy north, 24 ft. W. S. Keller, state highway engr.

La., Monroe—Ouachita Parish plans to expend $225,000 for building 5 mi. hard surfaced streets. J. M. Breard, Jr., pres. police jury.

O., Cleveland — Plans grading, curbing and paving Ontario St., Lakeshore Blvd., Lorain and Murray Hill Rds., Lorain, Leopold, Marvin, Miles, McCauley, Manor, Nordica, Natchez and Parkview Aves. $400,000. R. H. Hoffman, City Hall, engr.

O., Cleveland — Plans grading, curbing and paving Kinsman Rd. from East 55th to East 155th Sts. $150,000. R. Hoffman, City Hall, engr.

O., Columbus—Franklin Co. plans grading and paving 4½ mi. Gahanna-New Albany Rd., 18 ft., bituminous macadam, $115,000; 19,241 ft. Gahanna-Shepard Rd., 18 ft., brick, concrete or macadam, $160,000; 2½ mi. South High St., 20 ft., rein.-con., $100,000. C. C. Lattimer, Court House, engr.

O., Dayton—Plans paving 1½ mi. North Main St. from Miami River to Norman Ave., 44,000 sq.yd. vitr. brick, wood block or asphalt on concrete, $225,000; 600 ft. Herman Ave. Bridge, wood block, $6,650. I. E. Houk, city engr.

Michigan — State Hy. Dept., Lansing, soon takes bids grading and surfacing 9.615 mi. State Trunk Line Rd. 28-6, Sect. B, bituminous macadam or gravel, Gogebic Co.; also 4.773 mi. Assessment Dist. Rd. 321, gravel, Washentaw and Monroe Counties. F. F. Rodgers, comr.

Ill., Evanston — Bd. Pub. Wks. making plans paving various alleys, vitr. brick on concrete $35,000. R. Loway, City Hall, engr.

Ill., Glen Ellyn—Village Council having plans prepared paving Park Blvd. and va-

Streets and Roads (Continued)

rious other streets, asphalt on concrete. $108,000. G. G. Nelson, Sherwin Bldg., Elgin, engr.

Ill., West Dundee (Dundee P. O.)—Making plans paving, vitr. brick on concrete. $75,000. G. G. Nelson, c/o Village Council, engr.

Wis., Mayville — Making plans paving German and Main Sts. one course rein.-con., concrete curbs and gutters. $25,000. J. Donohue, 628 North 8th St., Sheboygan, engr.

Wis., Superior—Douglas Co. plans grading Brule-Highland Rd., $26,000. Winnebojou Cut-Off, $50,000, Borea Rd., $15,000; surfacing Spaulding Ave., $12,800, Rossiter Ave., $5,000, Trunk Highway 10, $65,000; widening and grading Nebagamon-Black River Rd., $44,500, Trunk Highway 35, $24,000; concrete surfacing 2½ mi. and grading Trunk Highway 11, total available for this road, $270,000. C. Hanson, Superior, comr.

Ia., Harlan—Plans paving 10,000 sq.yd. various streets, reinforced cement, concrete or asphaltic concrete. $40,000. H. E. Swain, clk.

Minn., Minneapolis—Hennepin Co. plans paving 8 mi. Rockford Rd., 18 ft. $200,000. E. E. Terrell, Court House, engr.

Minn., Montevideo—Chippewa Co. making plans grading and graveling 24 mi. roads, 24 ft. $60,000. F. O. Nelson, Montevideo, engr.

Minn., New Ulm—Plans paving 7 blocks. $28,000. F. D. Minium, city engr.

Minn., Pipestone—Pipestone Co. making plans grading and gravel surfacing 22 mi. trunk highway, 24 ft. $90,000. E. Keeler, Pipestone, engr.

Minn., St. Paul—Plans paving 1 mi. Stryker Ave., Augusta St. and Dodd Rd. to city limits. $48,470. O. Claussen, city engr.

Minn., St. Paul — Plans paving 1 mi. State St. from Oakdale Ave. to South Robert St., and from Gates St. to south city limits, brick. $47,432. H. W. Austin, city purch. agt. O. Claussen, city engr.

Kan., Salina—Plans paving State, 11th, Wilson, Bond, Baker, Ohio, 9th and Republic Sts., 8,500 ft. vertical fibre brick, asphaltic concrete, one course concrete or asphalt macadam penetration, 7,000 lin.ft. sidewalk, 12,000 lin.ft. combined concrete curb and gutter. W. Theisner, City Hall, engr.

Wyo., Kemmerer—Plans paving Park Ave., North and South Main and Pine Sts., various types of pavement. $60,000. H. E. Robinson, Kemmerer, engr. Noted Oct. 27.

Missouri — State Hy. Dept., Jefferson City, plans 1.142 mi. road from Wellington eastward, State Aid Project 20,132, Lafayette Co., 17,268 cu.yd. earth excav., 2,488 cu.yd. borrow and 108.6 cu.yd. concrete masonry, etc., $15,115; 3.47 mi. road from Stockton to Greenfield, State Aid Project 20.136, Cedar Co., 13,982 cu.yd. earth excav., 2,554 cu.yd. borrow and 117.2 cu.yd. concrete masonry, etc., $11,926; 7.226 mi. road from Hollister to Springfield, Federal Aid Project 134, Stone Co., 30,774 cu.yd. earth excav., 4,054 cu.yd. borrow and 22.6 cu.yd. concrete masonry, etc., $16,681; 9.619 mi. road from Ironton to Glover, Federal Aid Project 105, Sect. A, Iron Co., 41,945 cu.yd. earth excav., 23,023 cu.yd. borrow, 390 cu.yd. stone sub base, 69,924 sq.yd. gravel pavement and 469.4 cu.yd. concrete masonry, etc., $81,564; 7.075 mi. road from Glover to Sabula, Federal Aid Project 105, Sect. B, Iron Co., 32,696 cu.yd. earth and 6,688 cu.yd. rock excav., 24,254 cu.yd. borrow, 1,050 cu.yd. stone sub base, 50,474 sq.yd. gravel surfacing and 509.1 cu.yd. concrete masonry, etc., $81,724; 3.387 mi. road from Ironton to Piedmont, Federal Aid Project 105, Sect. C, Iron Co., 24,512 cu.yd. earth and 1,407 cu.yd. rock excav., 4,525 cu.yd. borrow, 24,519 sq.yd. gravel pavement and 208.2 cu.yd. concrete masonry, etc., $34,778. A. Graham, state highway engr.

Missouri—State Hy. Dept, Jefferson City, plans 6.42 mi. road from Clinton to Osceola, Federal Aid Project 117, Henry Co., 17,453 cu.yd. earth excav., 9,853 cu.yd. borrow, 35,125 sq.yd. Joplin chats pavement, 120.1 cu.yd. concrete, masonry, etc. $56,297. A. Graham, state highway engr.

Ark., Little Rock—City Comrs. open bids about middle February, paving 2 mi. Prospect Ave. from intersection of Fairfax Ave. to Forest Park, 50 ft., concrete. Ford & McCrea, Gazette Bldg., engrs.

Tex., Barstow—Ward Co. making plans grading and gravel surfacing 12.5 mi. Bankhead Highway 1, 16 ft. State Hy. Dept., Austin, engrs.

Tex., Dallas — Dallas Co. making plans grading and paving 14 mi. Richardson Rd. from here northeast via Richardson to county line, 18 ft., asphaltic concrete, $452,000; grading, penetration macadam surfacing and bridging 19.1 mi. Seagoville Rd. on Highway 40, 18 ft., $370,000. Nagle-Witt-Rollins Eng. Co., Courthouse, engrs.

Tex., Dallas — Having plans prepared paving 6,130 ft. Holmes St. from Romine St. to city limits, bitulithic. $40,000. G. D. Fairtrace, city engr.

Tex., Vernon—Attorney General's Dept., Austin, approved $505,400 bond issue constructing state highways in Wilbarger Co., mostly concrete. J. B. Nabors, Vernon, co. engr.

Idaho, Rigby—Plans paving 5,000 ft. of Main St., 60 ft., concrete or bitulithic on block. $125,000. Huddleson & Fiero, Kearns Bldg., Salt Lake City, Utah, engrs.

Utah—State Rd. Comn., Salt Lake City, plans grading and paving 7.1 mi. road from Wellsville through Sardine Canyon to Box Elder Co. line, Cache and Box Elder Counties, probably bitulithic on crushed rock, $125,000; 10.5 mi. road from Price to Castle Gate, concrete or bitulithic, Carbon Co., $375,000. H. W. Meeks, state road engr.

Utah, Salt Lake City—Plans hard surfacing with concrete or bitulithic, 3,500 ft. Dist. 181, Roosevelt, Emmon and Kensington Aves. from 14th to 15th Sts., E. $45,000. S. Q. Cannon, city engr.

Cal., Rio Vista—Having specifications prepared for extensive street paving program. C. E. Sloan Co., Santa Fe Bldg., San Francisco, engrs.

Cal., Yuba City — Supervs. Sutter Co. takes bids about Feb. 7, constructing 2.55 mi. Long Bridge-Tarke Rd., 3800 yd. Butte House rock, 5,996 cu.yd. grading, etc., $25,000; 0.4 mi. 1st St. in town of Meridian, 500 cu.yd. rein.-con. pavement, 3,520 sq.yd. grading, etc., $10,000. O. W. Lanzendorf, co. rd. engr.

Ont., Coburg—Plans prepared paving Main St., 25,000 sq.yd. asphalt or bitulithic on concrete. $100,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

Ont., Essex—Plans paving Victoria and Arthur Aves., and northern section of Talbot St., concrete. $42,000. G. H. Snyder, Essex, engr

Ont., North Bay—Plans 1 mi. asphalt or bitulithic pavement on concrete, concrete curbs and gutters. $100,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

BIDS DESIRED

N. Y., Brooklyn—Feb. 1, by E. Riegelmann, boro pres., Boro Hall, grading, curbing and laying sidewalks on Elmore Pl. (East 22nd St.) from Ave. I to Ave. J; Lenox Rd. from East 95th to East 98th Sts.; 19th Ave. from 72nd to 76th Sts.; paving Elmore Pl. (East 22nd St.) from Ave I to Ave. J, asphalt on 6 in. concrete; curbing and paving roadway of Farragut Rd. from point about 130 ft. east of East 34th to East 38th Sts., asphalt on 6 in. concrete.

N. Y., Brooklyn—Feb. 2, by Park Bd. at office Dept. of Parks, Municipal Bldg., New York, improving Ocean Parkway Traffic Rd. between Ave. W. and Coney Island Bridge, incl. adjustment of adjacent sidewalk and cycle path. F. D. Gallatin, pres.

N. Y., Long Island City—Feb. 1, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading, curbing and laying sidewalks on Olmstead Pl. between Myrtle Ave. and Cypress Hills Cemetery, 2nd Ward; paving Olmstead Pl. between Myrtle Ave. and Cypress Hills Cemetery, Purvis St. from Jackson to Thomson Aves., sheet asphalt on concrete; grading Liberty Ave. from 100th to 108th Sts. and from 112th to 117th Sts., curbing and laying sidewalks on Liberty Ave., from 100th St. to Lefferts Ave. also paving outside of railroad franchise area, sheet asphalt, within railroad franchise area, granite block both on concrete, from Liberty Ave. from Rockaway Blvd. to 104th St., and from 109th St. to Lefferts Ave.; sewers in Liberty Ave. from 104th St. (Oxford Ave.) to 109th (Danube) St., 4th Ward; Mueller St. from Hull Ave. to Faulkner St. (Prospect Ave.), 2nd Ward.

N. J., Englewood—Feb. 7, by Mayor and Common Council, furnishing, delivering and spreading or furnishing in railroad tank cars, f.o.b. Englewood siding, 135,000 gal. asphalt 75-85 penetration, in quantities required. E. L. Smullen, city engr.; adv. this issue.

N. J., Woodbury—Feb. 15, by Gloucester Co. reconstructing State Highway, Route 6, Sect. 6, Oldmans Creek to Mullica Hill, rein.-con. W. C. Cattell, Wenonah, engr.; adv. this isue.

Va., Norfolk—Feb. 6, at office of C. E. Ashburner, city mgr., paving portions of Olney Rd., Lexington and Starke Sts., Ashley, Newport and Monticello Aves. W. H. Taylor, 3rd, dir. Pub. Wks.; adv. this issue. Noted Jan. 19.

W. Va., Huntington—Feb. 15, by County Court, Cabell Co., grading and hardsurfacing Barboursville-Salt Rock Rd., McComas Addition, Main Seven Mile Rd., Union Dist.; Long Branch-Wayne Rd., Guyandotte and Barboursville Dists. J. N. Doyle, co. road engr. Noted Jan. 12.

North Carolina — Feb. 7, by State Hy. Comn., Raleigh, constructing 15.82 mi. State Project 314, Brunswick Co., 33 acres clearing, 93,600 cu.yd. excav., 15,000 cu.yd. drainage ditches, 1,978 ft. 15-30 in. concrete pipe, 41,780 cu.yd. topsoil, 671 cu.yd. concrete, 47,310 lb. reinforcing, 1,200 ft. untreated timber piles, etc., $96,000; 3.44 mi. State Project 313, Brunswick Co., 16,900 cu.yd. excav., 150,000 cu.yd. drainage diches, 36,000 sq.yd. concrete or asphaltic paving, 10,150 lb. reinforcing, 74,400 lb. structural steel, etc., $126,000. C. M. Upham, state highway engr.

Fla., West Palm Beach—Feb. 1, by Palm Beach Co. Comn., surfacing 10 mi. road from Lake Worth to county line, tarvia or asphalt oil surface on rock or shell. $80,000. R. F. Goodman, West Palm Beach, engr. Noted Nov. 10.

O., Cleveland—Feb. 1, grading, curbing and paving Aetna Rd., S., E. from East 78th to East 82nd Sts., Amesbury Ave. N. E. from Richardson to Sharp allotments, Aspinall Ave. N. E. from East 152nd to East 154th Sts., Calvin Court S. W. from West 17th St. to West 21st Pl., Colonial Court S. E. from Woodhill Rd. S. E. to Frank Ave. S. E., Forest Court S. E. from East 33rd to East 34th Sts., Fruit Ave. S. W. from West 9th to West 10th Sts., Helena Ave. N. E. from East 105th St. to Parkwood Dr. N. E., Joan Ave. S. W. from West 105th St. to Lorain Ave., Natchez Ave. S. W. from West 30th to West 35th Sts., Oakwood Ave. S. E. from East 71st to East 72nd Sts., Paul Ave. S. E. from Murray Hill Rd. S. E. to Random Rd. S. E., Paxton Rd. N. E. from Barrington Ave. N. E. to Arlington Ave. N. E., Rosewood Ave. S. E. from Turney Rd. S. E. to Warner Rd. S. E., Shale Ave. S. E. from Woodhill Rd. S. E. to East 110th St., Stewart Ave. N. E. from East 90th to East 93rd Sts., Tampa Ave. S. W. from West 30th to West 35th Sts., Vineyard Ave. S. E. from Warner Rd. S. E. to Turney Rd. S. E., East 67th St. from Worley Ave. S. E. to Collier Ave. S. E., East 114th St. from Woodland Ave. S. E. to Hulda Ave. S. E., East 124th St. from point 715 ft. south of Woodland to Buckingham Aves. S. E., East 140th St. from Ashwood Ave. N. E. to Abell Ave. N. E., East 160th St. from Holmes Ave. N. E. to Saranac Rd. N. E. and West 44th Pl. from Detroit Ave. N. W. to Bulkley Blvd. N. W. $200,000. R. Hoffman, City Hall, engr. Noted Dec. 8. Jan. 5 and 12.

Ind., Greenfield—Feb. 14, by Comrs. Hancock Co., grading, draining and paving Levi J. Baker et al Rd., Blue River Twp., gravel and concrete, also construction of retaining wall. C. Boone, co. engr.

Mich., Hillsdale—Feb. 3, by State Hy. Dept. at office Bd. Ed. Comrs. Hillsdale Co., grading and surfacing 1.715 mi. State Trunk Line Rd., 14-27, Sect. B, Hillsdale Co., 20,526 cu.yd. excav., 16,085 sq.yd. gravel F. F. Rodgers, Lansing, state highway comr.

Wis., Sheboygan Falls—March 14, by C. Herman, clk., paving, etc., 1.5 mi. Pine Mill, York and Short Sts., rein.-con., 21,000 lin.ft. concrete curbs and gutters. $50,000. J. Donohue Co., 628 North 8th St., Sheboygan, engrs. Noted Dec. 8.

Wis., West Bend—Feb. 14, by Road and Bridge Comn. Washington Co., concrete surfacing 5.1 mi. Milwaukee-Hartford Rd., State Trunk Highway 29, from Hartford to point 5 mi. west, 53,800 cu.yd. concrete, etc. Wisconsin Hy. Comn., Div. 2, 744 Milwaukee St., Milwaukee, engrs.

Ia., Clarinda—Feb. 3, for 35,000 sq.yd pavement and 34,000 ft. curbs and gutters H. Trado, city mgr.

Kan., Hiawatha—Feb. 10, by Comrs. Brown Co., grading and bridging 6.756 mi. Sects. A and B, Capitol Highway, Federal Aid Project 104, 26 ft. $90,000. L. K. McCrary, Hiawatha, engr. Noted Dec. 1.

Kan. Ottawa—Feb. 17, by Comrs. Franklin Co., grading and bridging 4.65 mi.

Streets and Roads (Continued)

Santa Fe Trail, Federal Aid Project 105, 29 ft. $25,000. M. E. Alderman, Ottawa, engr.

Missouri—Feb. 7, by State Hy. Dept. at div. office Neosha, 9.957 mi. road from Neosha eastward and westward, Federal Aid Project 182, Newton Co. $72,998. A. Graham Jefferson City, state highway engr. Noted Jan. 19.

Missouri—Feb. 10, by State Hy. Dept. at div. office Moberly, 6.383 mi. road from Huntsville westward, Federal Aid Project 44 Sect. A, Randolph Co. $39,385. A. Graham, Jefferson City, state highway engr.

Missouri—Feb. 16, by State Hy. Dept., at div. office Hermann, 2.244 mi. road from Mt. Sterling eastward, State Aid Project 20.124, Gasconade Co. $40,231. A. Graham, Jefferson City, state highway engr. Noted Dec. 29.

Tex., Canadian—Feb. 1, by Mayor, at office of City Secretary, improving 1st, 2nd, 3rd, 4th and Klingman Sts., 12,344 sq.yd. excav., 4,421 lin.ft. curbing. $50,000. R. H. Spiller, city engr.

Tex., La Grange—Jan. 31, by J. P. Ehlinger, judge Fayette Co., grading and surfacing 3.21 mi. State Highway 3, State Aid Project 256, 7,124 cu.yd. excav., 113.6 cu.yd. concrete, 7,826 cu.yd. gravel to be furnished by county, etc. $32,800. A. Schlafli, co. engr.

Wash., Port Townsend—Feb. 16, by Jefferson Co. grading and graveling, etc. 2.14 mi. Chimacum-Quilcene Rd., Permanent Highway 4-D. C. L. Peach, Port Townsend, engr.

California—Feb. 14, by State Hy. Comn., Sacramento,, paving 17.3 mi. highway between Forsyth Creek and Outlet Creek, Mendocino Co., concrete or bituminous macadam; grading 16.8 mi. highway between San Felipe and easterly boundary, Santa Clara Co.; paving 1 mi. highway between King City and south side of Salinas River, asphaltic concrete. A. B. Fletcher, state highway engr. Noted Jan. 12 and Oct. 6

Cal., South Pasadena—Feb. 13, by City Clerk, paving Meridian Ave., 36,000 lin.ft. concrete curbing, 62,000 sq.ft. 5 in. cement concrete, 34,000 sq.ft. waterbound macadam. R. V. Orbison, city engr.

BIDS RECEIVED

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, opened bids Jan. 18, grading, curbing and paving (1) roadway of Utica Ave., etc., grading, curbing and laying sidewalks on (2) 78th St., etc., paving (3) roadway of 78th St., etc., from C. Gallagher, 745 Dean St., (1) $22,110, (2) $2,326; Brooklyn Manhattan Contg. Corp., 26 Court St., (1) $23,686; R. Carter, (1) $24,043; G. M. Mandatto, 129 29th St., (2) $2,441; T. B. Scott, (2) $2,573; Borough Asphalt Co., 1301 Metropolitan Ave., (3) $6,492; Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., (3) $6,676; Cranford Co., 152 9th St., (3) $7,040. Noted Jan. 12.

Virginia—State Hy. Comn., Richmond, grading and paving 5.36 mi. road between Williamsburg and Lee Hall, Virginia Project 15A, James City Co., from S. E. Lee Constr. Co., Emporia, $135,553; Allport Constr. Co., Richmond, $146,107; Cunningham & Nelson, Newport News, $151,614. Noted Dec. 29.

North Carolina—State Hy. Dept., Raleigh, improving (1) State Project 245, Jones Co., (a) clearing, grading and surfacing, waterbound macadam, (b) rein.-con. bridges, (2) State Project 782, Wilkes Co., from Hyde & Baxter, 711 13th St., N. W., Wash., D. C., (1a) $222,489, (2) $167,831; J. M. Odgen & Son, Ervington, Va., (1b) $18,583; C. W. Lacy, Wilmington, (1a) $291,771; Union Paving Co., 30th and Locust Sts., Phila., (1b) $19,274; Porter & Peck, Greenville, (1a) $311,803; R. M. Walker & Co., Inc., Grant Bldg., Atlanta, Ga., (1b) $20,598; D. J. Brookshire & Co., North Wilkesboro, (2) $168,283; Hagedorn Constr. Co., Manning, S. C., (2) $171,314. Noted Jan. 5.

Ohio—Dept. Highways and Pub. Wks., Columbus, opened bids Jan. 21, grading, bridging and paving roads (a) asphaltic macadam, (b) tar macadam, (c) concrete, (d) asphalt, in following counties: Greene Co., Sect. "B" Springfield-Jamestown Rd., 6.9 mi., from N. B. Putnam, Van Wert, (a) $123,523, (b) $123,523; O. M. Junk, Chillicothe, (a) $141,000; Foster-Hafner Constr. Co., Dayton, (a) $141,116, (b) $144,639; Wilson Eng. Co., Xenia, (b) $144,655. Medina Co., Sect. "S" Cleveland-Wooster Rd., 3.265 mi., F. J. Mann & Son, Ashland, (b) $84,897, (c) $96,249, (d) $84,897; A. J. Baltes, Norwalk, (c) $97,077; Homebarger-Wagar Co., Feick Bldg., Sandusky, (c) $97,742; Post Constr. Co., Cleveland, (b) $81,505, (d) $81,505; Ohio Eng. Co., Lorain, (b) $81,715, (d) $81,715. Medina Co., Sect. "Medina South" Cleveland-Wooster Rd., 0.347 mi., F. J. Mann & Son, Ashland, (a) $9,165, (b) $9,815, (c) $10,520; Ohio Eng. Co., Lorain, (a) $8,836, (b) $8,836, (c) $10,846; Post Constr. Co., Cleveland, (a) $8,822, (b) $8,826, (c) $10,836. Union Co., Sect. "Marysville" Columbus-Marysville Rd., 854 ft., Renick & Smith, Columbus, (c) $7,997; W. C. Moore, Marysville, (c) $8,295; C. O. Hurd & Son, Marysville, (c) $8,556. Wood Co., Sections "A," "B" and "Haskins" Bowling-Green-Waterville Rd., 5.106 mi., Johnson, Van Wagoner & Johnson, Tontogany, (a) $83,184, (b) $84,943; Finch Eng. Co., Bowling Green, (a) $87,322, (b) $89,374; Muldoon & Bergman, Genoa, (a) $86,789, (b) $86,798. Noted Jan. 12.

Tex., Jasper—For grading and gravel surfacing 11.2 mi. State Highway 8, Federal Aid Project 238, from J. Thompson, San Augustine, $69,770, S. Turricchi, Devers, $72,707; McClung Constr. Co., c/o G. A. McClung, 901 West Chambers St., Cleburne, $76,583. Noted Dec. 29.

Cal., Glendale—Grading, paving, curbing and laying sidewalks on Lexington, Doran, Howard, Everett and Geneva Sts., 9,030 lin.ft. concrete curbing, 45,000 sq.ft. cement sidewalk, 86,700 sq.ft. 3 in. waterbound macadam, 90,990 sq.ft. oiling, 2,985 ft. 4 in. corrugated iron pipe, from Fleming Constr. Co., 105 North Park St., Pomona, $26,102; P. L. Ferry, 614 East Acacia St., $26,733; Ducy & Breitenstein, Pasadena, $28,774.

Cal., San Francisco—Bd. Pub. Wks., paving Mission Terrace, 980 lin. ft. concrete curbs and 300,540 sq.ft. asphaltic concrete pavement, from J. M. Smith, 507 11th St., $102,950; Fay Impvt. Co., Phelan Bldg., $104,229; Raisch Impvt. Co., 46 Kearny St., $106,039. Noted Nov. 3.

CONTRACTS AWARDED

Pa., Pittsburgh—For paving Blvd. of the Allies, Contr. 9, to Pitt Constr. Co., Fulton Bldg., $49,200; Contr. 3 to Hughes Foulkrod Co., Oliver Bldg., $70,896. Noted Jan. 19.

Florida—State Rd. Dept., Tallahassee, hard surfacing 43 mi. Projects 11, 21, 22 and 23, Duval, Nassau and Baker Counties, rein.-con., to B. A. Inglis, 1012 Crescent Ave., Birmingham, Ala., $986,506; 8.594 mi. Project 13, Orange Co., 3 in. asphalt on 8 in. compacted rock, to W. P. McDonald, Lakeland, $228,041; 12.791 mi. Project 18, Putnam Co., 3 in. bituminous macadam on 8 in. compacted rock, to J. F. Morgan, Miami, $335,831; 12.603 mi. Project 33, Alachua Co., 3 in. bituminous macadam on 8 in. compacted base, to Barber-Fortin Co., Warren, O., $285,668. West approach to Apalachicola River Bridge, to A. Bentley & Sons Co., Atlantic Natl. Bank Bldg., Jacksonville, $17,900. Noted Jan. 12 and Dec. 8.

Fla., Pensacola—Paving and curbing 12 blocks Alcaniz, Davis and Blount Sts., 12,000 sq.yd. concrete and 12,000 lin.ft. concrete curbing, to J. Gerkens, 800 North Hayne St., $2.39 for paving, $0.39 for curbing.

La., Gretna—Jefferson Parish, 79,000 sq. yd. pavement and 196,000 lin.ft. curb and gutters, to Doullut & Williams, 816 Howard Ave., New Orleans, $2.05 per sq.yd. and $1 per lin.ft. respectively.

O., Akron—Director Pub. Serv. to McAlonan Bros., 217 West Buchtel Ave., paving Jane Court, Amelia Ave., North Howard and Voris Sts., $54,093, paving and laying sidewalks on Cleveland and Baughman Sts., $21,000. Noted Dec. 22.

O., Akron—Summit Co. grading and paving 1 mi. Copley Rd., rein.-con., to E. and W. McShaffrey Co., Rhoades Ave., $28,628; 5 mi. Hudson-Richfield Rd., bituminous macadam, to Metropolitan Constr. Co., c/o C. J. Costigan, Congor Ave., $127,264. Noted Jan. 19.

O., Warren—E. H. Braunberns, dir. Pub. Serv., grading, curbing and repaving 3,925 ft. East Market St., Metropolitan brick, asphalt filler on concrete, to V. Olson Contg. Co., 506 Mahoning Bank Bldg., Youngstown, $123,612. Noted Nov. 3.

Illinois—Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, paving 3.02 mi. Route 12, Sect. 16, Marion Co., to Edwardsville Constr. Co., Edwardsville, $64,861; 7.22 mi. Route 15, Sect. 16, Jefferson-Wayne Co., 5.59 mi. Route 15, Sect. 17, Wayne Co., 4.98 mi. Route 15, Sect. 18, Wayne Co., W. O. Neill Sons Co., Faribault, Minn., $143,131, $115,325 and $103,869 respectively, 6.21 mi. Route 28, Sect. 7, Henry-Bureau Co., 5.68 mi. Route 28, Sect. 8, Bureau Co., J. J. Dunnegan Constr. Co., Shenandoah, Ia., $116,945 and $114,930 respectively, 5.79 mi. Route 31, Sect. 3, Adams Co., 5.7 mi. Route 31, Sect. 4, Adams Co., Eiff & Simons, 1013 Bway., Quincy, $113,718 and $112,913 respectively, 2.09 mi. State Aid Route 10, Sect. E, Iroquois Co., H. Mullen & Son, Kankakee, $25,070, grading 7.21 mi. Route 13, Sect. 9-A, Saline Co., 6.32 mi. Route 13, Sect. 10-A, Gallatin Co. and 6.42 mi. Route 13, Sect. 11-A, Gallatin Co., to L. Rich Constr. Co., Metropolitan Bldg., East St. Louis, $18,363, $19,129 and $19,308 respectively; 0.3 mi. Federal Aid Project 8, Sect. V-3, Macoupin Co., M. R. Deyo & Co., Peoria, $7,782. Noted Dec. 29.

Ill., East St. Louis—Paving Columbia Pl., between Illinois and Pennsylvania Ave., asphalt on concrete, to H. H. Hall Constr. Co., Murphy Bldg. Noted Oct. 13.

Ia., Clinton—Supervs. Clinton Co., grading and paving 16 mi. Lincoln Highway from Cedar Co. Line east to here, to Wright Constr. Co., 211 Flynn Blk., Des Moines, 21,337 cu.yd. excav. at $0.40, 173,807 sq.yd. concrete, $2.52 etc., total $446,528. Noted Jan. 5.

Kan., Ft. Scott—Bourbon Co., 2.17 Rock Creek Rd., 10 ft., bituminous macadam, to Moss & Moss, Nevada, Mo., $39,821; grading and surfacing 3.16 mi. Sect. C, Ft. Scott-Wichita Highway, Federal Aid Project 33, 16 ft., bituminous macadam, to Fry Bros. Constr. Co., Iola, $68,920.

Tex., Dallas—Dallas Co. paving East Pike, asphalt, to Smith Bros. Constr Co., Sumpter Bldg., $261,719.

Tex., Dallas—To Uvalde Paving Co., 1001 Main St., paving Beckley Ave. from Neeley to 10th Sts., Uvalde rock, $2.35 per sq.yd., total, $34,457; to Texas Bitulithic Co., Praetorian Bldg., Beckley Ave. from 12th St. to city limits, bitulithic, $2.35, $38,206.

Okla., McAlester—Paving Main St. from Wilburton Branch to Krebe Ave. and Seneca Ave. from 6th to 11th Sts., to C. L. Besler, Winfield, Kan., $17,723 and $23,432 respectively.

California—State Hy. Dept., Sacramento, paving 17.6 mi. highway between Whitewater and Edom, Riverside Co., to H. J. Kaiser, 1st Natl. Bank Bldg., Oakland, $298,011; 11.5 mi. highway between Edom and Indio, Riverside Co., to Warren Constr. Co., Rialto Bldg., San Francisco, $190,781. Noted Dec. 29.

Cal., Fresno—Improving Wilson Ave. between McKinley and Olive Aves., to Federal Constr. Co., Call Bldg., San Francisco, $34,355. Noted Jan. 19.

Cal., Los Angeles—Paving York Blvd. between Pasadena Ave. and Ave. 56, asphalt, to G. H. Oswald, 366 East 58th St., $77,725. Noted Jan. 19.

Industrial Works

PROPOSED WORK

Conn., Bridgeport—Southern New England Telephone Co., 114 Court St., New Haven, plans brick garage and warehouse, Beechwood and Colorado Aves., here. Architect not selected.

Conn., Hartford—Dragat & Traubman, 340 Windsor Ave., having revised plans prepared by G. A. Zunner, archt., 182 High St., 3 story, 95 x 100 ft., brick, steel and concrete garage, plain foundation, Windsor Ave. $100,000. Noted Sept. 29.

Conn., New Haven—D. E. Smith, archt., 152 Temple St., preparing plans 1 story, 160 x 200 ft., brick and steel factory and 1 story, 40 x 50 ft. boiler house. Owners name withheld.

Pa., Annsville—Grieb Shoe Co., 531 Market St., Phila., had plans prepared by H. T. Hauer, archt., 3110 West Columbia Ave., Phila., 4 story, 51 x 178 ft. rein.-con., brick and steel factory, plain foundation, here. $125,000.

Pa., Johnstown—Benshoff Printing Co., 1110 Franklin St., plans 3 story, 90 x 100 ft. rein.-con. and steel plant, Franklin St. $150,000. Architect not selected.

Pa., Phila.—Ferris Shoe Co., Monmouth and Janney Sts., Frankford, having plans prepared by Simon & Simon, archts., 239 South Juniper St., 3 story, 260 x 293 ft. rein.-con., brick and steel factory, plain foundation, 6th and Duncannon Sts., here.

Pa., Phila.—F. C. Roberts & Co., engrs., Real Estate Trust Bldg., soon takes bids 3 story, 120 x 150 ft. rein.-con., brick and steel plant, plain foundation, 7th and Sansom Sts., for Curtis Publishing Co., c/o C. H. K. Curtis, pres., Independence Sq. $200,000.

Pa., Sharon—Wilton Tool Co., 2123 Grand River Ave., Detroit, Mich., having plans prepared by Hydraulic Steel Craft Co., engrs., Illinois Bldg., Cleveland O., 1 story,

Industrial Works (Continued)
50 x 200 ft. and 20 x 100 ft. factory buildings, here.

Md., Baltimore—J. Lample, 15 North Fremont Ave., having plans prepared by J. R. Forsythe, archt., 232 St. Paul St., 1 story, 60 x 65 ft., brick, North Fremont Ave. $75,000.

N. C., Enfield — Plans electric lighting system. $50,000 J. L. Burrows, clk.

Fla., Orlando—City to vote on $150,000 bonds for addition to lighting plant. Noted April 21.

La., New Roads — Swanson — McGraw Inc., engrs., 705 United Fruit Bldg., New Orleans, takes bids early in March, remodeling electric light and water plant, here, incl. crude oil engine driven alternators, pumps, reservoirs, etc.

O., Cincinnati—Natl. Biscuit Co., 401-07 Lock St., Cincinnati, and 10th Ave. and 15th St., New York, plans 7 story steel factory and warehouse, on lot 140 x 463 ft., at 617 Hunt St. Private plans. A. G. Zimmerman, 85 9th Ave., New York, engr.

O., Cleveland—Leatherkraft Co., c/o J. J. Metcalf, 1255 West 4th St., having plans prepared 2 story, 60 x 100 ft., brick and steel factory and commercial building plain foundation, 5914 Cedar Ave. $50,000. Architects name withheld.

O., Cleveland—Mueller Electric Co., 2143 Fairmount Rd., had plans prepared by G. S. Rider & Co., archts., Century Bldg., 1 and 2 story, 63 x 94 ft., brick and steel factory and garage, plain foundation, East 31st St. near Payne Ave. $50,000.

O., Columbus—H. C. Godman Co., 31 North 4th St., having plans prepared by Richards, McCarty & Bulford, archts., 584 East Broad St., 3 story, 160 x 240 ft. with 54 x 200 ft. wing, brick and concrete shoe factory, West Broad St. Noted Jan. 5.

Ind., Evansville—Evansville Structural Supply Co., 215 1st Ave., plans 1 story, 100 x 200 ft. fabricating plant, brick, Division and Kertle Aves. $40,000. Private plans.

Ind., Indianapolis—W. H. Barre, Jr., and R. Miller, c/o City Trust Co. (representing local business men) having plans prepared by Bass, Knowlton & Co., archts., 801 Hume-Mansur Bldg., 5 story, 135 x 195 ft., concrete, terra cotta, brick and stone garage and auto storage building, Illinois St. $700,000.

Mich., Detroit—H. T. Millar, archt., Lightner Bldg., preparing plans for 1 story, 100 x 150 ft. brick and steel garage, plain foundation, West Grand Blvd. and Milford Ave. $50,000. Owner's name withheld.

Wis., Manitowoc—Hamacheck-Bleser Co., 11th and Franklin Sts., having plans prepared by Smith & Reynolds, archts., Dempsey Bldg., 1 story, 50 x 139 ft., rein.-con., brick and steel garage and repair shop, plain foundation, Franklin St. $50,000.

Wis., Sheboygan—H. Hamacheck & Sons, Two Rivers, having plans prepared by E. A. Juul, archt. and engr., 805 North 8th St., 1 story, 40 x 50 ft., rein.-con., brick and steel garage, plain foundation, 9th St., here. $50,000. Address architect and engineer.

Wis., Stevens Point—R. E. Newby, 119 Strongs Ave., plans 1 story, 71 x 125 ft., rein.-con., brick and steel garage and repair shop, plain foundation, Main St. $40,000. Architect not selected.

Minn., Bemidji—Pendergast Implement Co., plans 2 or 3 story, 65 x 125 ft. warehouse, rein.-con. and brick. $60,000.

Minn., Newport — Farmers Terminal Packing Co., 920 Commerce Bldg., St. Paul, having plans prepared by Newstrom-Lindquist Co., archts., 810 Lumber Exch. Bldg., Minneapolis, and takes bids in spring, 1 story, 100 x 100 ft. ice plant, brick. $60,000. H. Edmunds, secy.

Kan., Wichita—W. P. Innes, 112 North Lawrence Ave., having plans prepared by E. Forsblom, archt., 405 Sedgwick Bldg., 1 story, 85 x 147 ft., rein.-con., brick, steel and stone garage. $50,000.

Mo., St. Joseph—Bd. Mgrs. State Institutions, Jefferson City, having plans prepared by Siemens & Arnhold, archts., Bartlett Trust Bldg., 2 story, kitchen, bakery and storage building, concrete and brick, at State Hospital 2, here, $150,000.

Mo., St. Louis—Audrey Realty Co., 614 Chestnut St., having plans prepared by Wedemeyer & Nelson, archts., Wainwright Bldg., 1 story, 100 x 125 ft., brick and rein.-con. garage. $45,000.

Mo., St. Louis — W. F. Parks, Frisco Bldg., having plans prepared by W. H. Mills, archts., Chemical Bldg., 3 story, 98 x 180 ft., rein.-con. and brick garage, North Euclid Ave. $50,000.

Mo., St. Louis—J. Weisert Tobacco Co., 1120 South 6th St., having plans prepared by E. Lantz, archt., Post-Dispatch Bldg., 5 story, 63 x 90 ft., rein.-con. and brick factory and warehouse, 6th St. $70,000.

Mo., Webb City—Rock Hill Paint & Cloth Co. plans 1 story, concrete factory, Allen St. $50,000. R. Porter, secy. Architect and engineer not selected.

BIDS DESIRED

Mass., Boston—Feb. 1, by Blackall, Clapp & Whitemore, engrs. and archts., 20 Beacon St., 5 story, brick warehouse, Harrison Ave., for Blodgett, Ordway & Weber, 100 Kingston St. $225,000. Noted Dec. 29.

Conn., Hartford — J. Reibert, Mountain Rd., West Hartford, receiving bids 1 story, 52 x 220 ft., brick and concrete garage, plain foundation, Park St. $50,000. G. H. Mathews, 48 Campfield Ave., archt. Noted Jan. 12.

Pa., Phila.—Feb. 1, by Kolb Baking Co., 10th and Reed Sts., 1 story, 124 x 260 ft. rein.-con. and brick garage, plain foundation, Broad and Greene Sts. $60,000. H. B. Weldon, 10 South 18th St., archt.

Ill., Chicago—J. J. Jensen, archt., 4815 North Lawndale Ave., receiving bids 2 story, 119 x 125 ft., factory, rein.-con., brick and steel, Crawford Ave. and Argyle St., for Rechsteiner Embroidery Co., 4743 Bernard Ave. $65,000.

Ill., Rockford—Feb. 3, by C. E. Wolfley, archt., 610 Stewart Bldg., 1 story, 60 x 145 ft. garage, 35 x 60 ft. repair shop, and 20 x 30 ft. boiler house, Auburn Ave., for G. C. Brown and W. C. Gridley, 1826 Hoffman Blvd. $75,000. Noted Dec. 22.

Wis., Milwaukee — International Harvester Co., 217 Oregon St., taking bids 1 story, 50 x 100 ft., brick and concrete garage, plain foundation, Reed St. $40,000. Private plans.

Minn., Duluth — Feb. 15, by Jacobsen Bros., 410 Columbia Bldg., 1 story, 75 x 140 ft. garage, rein.-con., brick and steel, East Superior St. $100,000. Halstead & Sullivan, 409 Palladio Bldg., archts. and engrs.

Mont., Bozeman—Feb. 11, by Bd. Examiners, Helena, 1 story, 45 x 74 ft. heating plant, brick, concrete and steel, complete incl. equipment, at College of Agriculture and Mechanical Arts, here. $150,000. F. Wilson, Bozeman, archt., and Pillsbury Co., 1200 2nd Ave., S., Minneapolis, Minn., engrs. Noted Oct. 20.

Mont., Missoula—Feb. 11, by Bd. Examiners, Helena, 1 story, 45 x 74 ft. heating plant, brick, steel and concrete, complete incl. equipment, at State University, here. $150,000. O. Bakke, Gibson Bldg., archt. C. L. Pillsbury Co., 1200 2nd Ave., S., Minneapolis, Minn., engrs. Noted Oct. 20.

Mo., St. Louis—Jan. 31, by Scruggs, Vandervoort & Barney Dry Goods Co., c/o M. L. Wilkinson, pres., 9th and Olive Sts., 4 story, 102 x 160 ft., brick garage, St. Charles St. $350,000. Private plans.

Cal., San Bernardino—Atchison, Topeka Sante Fe Ry., Kerckhoff Bldg., Los Angeles, receiving bids 1 story, 65 x 510 ft. brick and steel addition to machine shop, here. $300,000. Private plans.

CONTRACTS AWARDED

Mass., Worcester—Atherton-Fowler Furniture Co., 133 Front St., 5 story, 68 x 138 ft. warehouse, mill construction, rein.-con. walls, Franklin St., to Fiske-Carter Constr. Co., 11 Foster St., $150,000. Noted Dec. 22.

Conn., Waterbury—F. E. Kirschner, 24 Piedmont St., 2 story, 60 x 125 ft., brick and steel garage, sales and service station, South Main St., to P. M. Devines, 129 Congress Ave.

N. Y., Long Island City—P. Snyder, 1220 Locust Ave., Phila., 2 story, brick, steel and concrete factory, plain foundation, here, by day labor. $100,000. F. F. Durang, 507 5th Ave., New York, archt and engr. Noted July 7.

Pa., Oil City—Oil Well Supply Co., 75 x 130 ft. brick and steel addition to warehouse, by day labor.

Pa., Phila.—Boice Folding Box Co., 4020 Spruce St., 2 story, 50 x 56 ft., brick and wood factory, plain foundation, Ogden and Hatton Sts., to T. Wilkinson, 3639 North 9th St.

Pa., Phila.—Collins & Aikman, Viola St., 6 story, 62 x 120 ft. rein.-con., brick and steel factory, plain foundation, Viola St., east of 51st St., to Turner Constr. Co., 1713 Sansom St., $110,000.

Pa., Phila.—J. T. Lewis & Bros. Co., Lafayette Bldg., 2 story, 60 x 70 ft. power house, Arnington and Cumberland Sts., to Turner Constr. Co., 1713 Sansom St., $100,000.

Pa., Phila. — Tasty Baking Co., 2335 Sedgley Ave., 5 story, 100 x 100 ft. rein.-con. bakery, plain foundation, Hunting Park and MacMichael St., to Turner Constr. Co., 1713 Sansom St.

Wis., Appleton—Appleton Coated Paper Co., Rankin St., will build 3 story, 48 x 80 ft. warehouse addition on Rankin St., by day labor. $50,000. H. Wildhagen, College Ave., archt. and engr. Noted Dec. 22.

Mo., St. Louis—G. G. Hoffman Machine Co., 3932 Olive St., 1 story, 100 x 234 ft., rein.-con. and brick salesroom, garage and service station, 3872 Washington St., to Schrim Constr. Co., 4336 College Ave., $50,000. Noted Jan. 12.

Buildings

PROPOSED WORK

Me., Millinocket — High School — Bd. Educ. having plans prepared by H. S. Coombs, archt., 11 Lisbon St., Lewiston, 2 story, 201 x 233 ft., brick and steel $450,000.

Mass., Boston—Office—Beacon Trust Co., 20 Milk St., having plans prepared by A. W. Bowditch, archt., 44 Bromfield St., 12 story, 40 x 138 ft., brick, stone and steel, Milk St. $1,000,000.

Mass., Clinton — High School — Town plans 2 story. $150,000. T. F. Gibbons, 16 Coachlace St., supt. Architect not selected.

Mass., New Bedford—Business—Leary & Walker, engrs. and archts., Times Bldg., preparing plans 2 story, 125 x 200 ft., brick and steel, Purchase St. $150,000. Owners name withheld.

Mass., Palmer — School — School Comm. having plans prepared by M. W. Maloney, archt., 145 Chestnut St., Springfield, 2 story, brick and steel, Converse St. $150,000.

Mass., Pittsfield—School and Hall—St. Josephs Roman Catholic Parish plans 2 story. $150,000. B. S. Conaty, 414 North St., pastor. Architect not selected.

Mass., Weymouth—Town Hall—Having plans prepared by H. F. Kellogg, archt., 93 Federal St., Boston, 3 story, 40 x 110 ft. with 2 story, 48 x 99 ft. ell, brick. $225,000.

Conn., Bridgeport—Church—United Congregational Church, Gilbert and Broad Sts., plans granite church. $250,000. W. H. Day, pastor. Architect not announced.

Conn., Hartford—Lodge—Loyal Order of Moose 723, 450 Asylum St., plans 2 story, brick, steel and concrete, High St. $175,000. Architect not selected.

Conn., Hartford—School and Hall—Sts. Cyril and Methodius Roman Catholic Church c/o H. F. Ludorf, archt., Mutual Bldg., New Britain, opens bids about Feb. 15, 2 story, 62 x 150 ft., brick and concrete, plain foundation, Groton St. $175,000. S. Musiel, 69 Governor St., pastor. Noted Oct. 27.

Conn., Hartford—School and Hall—St. Josephs Roman Catholic Cathedral plans school and hall. $200,000. T. S. Duggan, 140 Farmington Ave., pastor. Architect not selected.

N. Y., Brooklyn—Apartment—Slee & Bryson, archts. and engrs., 154 Montague St., prepared plans 4 story, 100 x 100 ft., brick, steel and stone, plain foundation, Bay Parkway. $175,000. Owners name withheld.

N. Y., Brooklyn—Loft—Walze Bros., c/o Kaufmann & Levine, archts. and engrs., 469 7th Ave., New York, soon takes bids 4 story, brick, steel and stone, plain foundation, here. $160,000.

N. Y., Buffalo — Office — Terrain Realty Co. 206 Bway., New York, had plans prepared by Esenwein & Johnson, archts., Ellicott Sq., 15 story, 51 x 131 ft., fireproof construction, Pearl and Seneca Sts., here. $700,000.

N. Y., New York—Apartment—Gronenberg & Leuchtag, archts. and engrs., 450 4th Ave., preparing plans 5 story, brick, steel and stone, plain foundation, East 165th St. $200,000. Owners name withheld.

N. Y., New York—Apartment—Joe Hen Realty Co., c/o Springsteen & Goldhammer, archts. and engrs., 32 Union Sq., had plans prepared 5 story, 54 x 96 ft., brick, steel and stone, plain foundation, Grand Concourse and Clark Pl. $250,000.

N. Y., New York—Apartment—D. Wykoff, c/o H. O. Chapman, archt. and engr., 337 5th Ave., having revised plans prepared 12 story, brick, steel and stone, plain foundation, 5th Ave. $650,000. Noted Jan. 5.

N. Y., New York—Hospital—Roosevelt Hospital, 59th St. and 9th Ave., having sketches made by York & Sawyer, archts. and engrs., 50 East 41st St., 8 story, 50 x 100 ft., brick, stone and steel addition, plain foundation. $1,000,000.

N. Y., Niagara Falls—Municipal—E. J. Fort, city mgr., submitted plans for 3 story building, 500,000 sq.ft. floor space. $150,000.

N. Y., Rochester—High School—Bd. Educ. had preliminary plans prepared by E. S. Gordon, archt., 125 Sibley Block, 3 story, 346 x 450 ft. with 100 x 100 ft. wing.

Buildings (Continued)

fireproof construction, Hudson Ave. and Norton St. $4,000,000.

N. J., Hudson Heights — Mausoleum—Mausoleum Co. of America, 140 Bergenline Ave., Union Hill, had plans prepared by G. Webb, archt. and engr., 140 Bergenline Ave., Union Hill, brick, stone and marble, plain foundation, Fairview Cemetery, here. $1,000,000.

N. J., Newark—Library—Newark Public Library having sketches made by J. H. and W. Ely, archts. and engrs., Fireman's Trust Bldg., 2 story, 60 x 60 ft., brick, stone and marble addition, plain foundation. Hayes St.

N. J., Passaic—Armory—State of New Jersey, Trenton, had plans prepared by W. Hankin, archt., 39 East State St., Trenton, 3 story, 45 x 126 ft., brick, terra cotta and artificial stone, Cemetery Park, here. $100,000.

N. J., Trenton—Y. W. C. A. plans new home, 138 East Hanover St. $600,000. E. W. Dunham, 365 West State St., pres.

Pa., Lewiston—Theatre—D. Dughi and J. Shverha, 5 East Market St., opens bids in 2 months, 3 story, 80 x 100 ft. concrete, brick and steel, Market St. $150,000.

Pa., Norristown—Y. M. C. A., c/o H. C. Green, plans 4 story building, 4th St. $350,000. H. G. MacMurtie, 1012 Walnut St., Phila., archt.

Pa., Oakmont—High School—Dist. of Haverford Twp., c/o J. W. Huff, 6035 Landsdown Ave., Phila., having plans prepared by Boyd, Abel & Gurget, archts., 112 South 16th St., Phila., 3 story. $300,000.

Pa., Phila.—Hotel and Store—A. M. Merchen, Land Title Bldg., plans 17 story, 190 x 230 ft. rein.-con., brick and steel, plain foundation, 9th and Chestnut Sts. H. Trumbauer, Land Title Bldg., archt.

Pa., Phila.—Institute—Seamans Church Institute, 2nd and Walnut Sts., having plans prepared by Ballinger & Co., archts., 12th and Chestnut Sts., 5 story, rein.-con., brick and steel, plain foundation, Moravian and Dock Sts. $200,000.

Pa., South Fork — Bank — First Natl. Bank having sketches made by Dennison & Hirons, archts. and engrs., 288 Lexington Ave., New York, 2 story, brick, steel and stone, plain foundation, Main St. $150,000.

Md., Baltimore—Apartment—G. R. Dedham, Union Trust Bldg., plans 4 story, brick, Greenway and St. Paul Sts. $150,000. Parker, Thomas & Rice, Union Trust Bldg., archts.

Md., Baltimore—Apartment—Wentworth Apartments Co., Cathedral and Mulberry Sts., having preliminary plans prepared by E. H. Glidden, archt., Amer. Bldg., 5 story, brick and stucco addition, University Parkway. $150,000.

Md., Baltimore — Hospital — Maryland General Hospital plans addition, Linden Ave. and Madison St. $200,000. G. C. Peck, supt.

Md., Baltimore — Theatre — Embassador Theatre Co. plans rein.-con., brick and steel, plain foundation, Charles St. near North Ave. $1,000,000. E. G. Blanke, 532 North Calvert St., archt.

Va., Portsmouth—Schools—Bd. Supervs. Norfolk Co. approve $750,000 bond issue for new schools and repair old ones, etc. R. B. Preston, New Kirn Bldg., co. engr.

W. Va., Parkersburg—High School—plans election to vote on $250,000 bonds for high school. H. C. Odgers, supt. Bd. Educ. F. L. Packard, Hayden Bldg., Columbus, O., archt.

Fla., Howey—Hotel—**W. J. Howey, c/o** Fuquay & Gheen, Daytona, plans 4 story, 300 room here. $300,000.

O., Chagrin Falls—Clubhouse, etc.—Chagrin Valley Country Club, c/o D. W. Stevick, secy., Guardian Bldg., Cleveland, having plans prepared 2 story, brick and steel clubhouse, plain foundation, incl. golf course. $200,000. Private plans. A. D. Taylor, 4614 Prospect Ave., Cleveland, engr.

O., Cincinnati — Church and School — Crowe & Shulte, archts., Title Guaranty Bldg., opens bids about Feb. 1, 60 x 144 ft. church, 55 ft. high, and 3 story, 30 x 85 ft. school, Bedford limestone and steel, plain foundations, Wunder Ave., for St. Catherines Roman Catholic Church, A. Tieken, pastor, c/o architects. $150,000.

O., Cleveland—Apartment—Adele Realty Co., c/o T. C. Minor, archt., Wade-Chatteau Apartments, having plans prepared 4 story, 108 x 130 ft., brick and timber, plain foundation, Overlook and Hampshire Rds. $200,000.

O., Cleveland — Apartment — Cooper & Berkowitz, 2451 East 79th St., plans 3 story, brick and timber, plain foundation, Page Ave. near Euclid Ave. $150,000. Architect not selected.

O., Cleveland—Bank and Office—Union Trust Co., c/o M. S. Halliday, 1128 Citizens Bldg., opens bids about Feb. 20, 20 story, 145 x 258 ft., brick, steel and concrete, plain foundation, East 9th St. and Euclid Ave. $10,000,000. Graham, Anderson, Probst & White, 80 East Jackson Blvd., Chicago, archts. Noted June 23.

O., Cleveland—Office and Social Service—Oldstone Church, c/o A. B. Muldrum, 1380 Ontario St., having plans prepared by A. Garfield, archt., National City Bldg., 4 story, 100 ft. square, brick, steel and concrete, plain foundation, 1380 Ontario St. $200,000. Noted March 31.

O., Columbus — Administration — **H. C. Godman Co., 31 North 4th St.**, having plans prepared by Richards, McCarty & Bulford, archts., 584 East Broad St., 5 story, 125 x 185 ft., brick and concrete, West Broad St.

O., Columbus—High School—Bd. Educ., Town and High Sts., having plans prepared by Richards, McCarty & Bulford, archts., 584 East Broad St., and takes bids about Feb. 15, 2 story, 220 x 300 ft., brick, concrete and steel, Deshler Ave. $850,000.

O., Columbus—Home—Knights of Columbus, East State St., having plans prepared by Richards, McCarty & Bulford, archts., 584 East Broad St., 6 story, 125 x 130 ft., brick, steel and concrete, East State St. $350,000.

O., Oberlin—College—Oberlin College having plans prepared by C. Gilbert, archt., 244 Madison Ave., New York, group of 2, 3 and 4 story buildings, brick, steel and concrete, plain foundations, incl. auditorium, recitation hall, cathedral, 2 dormitories, power plant and storage building. $8,000,000. A. Dufty, 32 East College St., resident engr.

O., Oberlin — Hospital — Oberlin College having plans prepared by C. Gilbert, archt., 244 Madison Ave., New York, 3 story, brick, steel and concrete, plain foundation. $200,000. A. Dufty, Oberlin, resident engr.

O., Westerville—High School—Bd. Educ. having plans prepared by Glass & Austin, archts., Gas Co. Bldg., Columbus, 2 story, brick and concrete, State St. $190,000 bonds voted. Noted Nov. 17.

Ind., Crown Point—Sanitarium, etc.—Comrs. Lake Co. plan brick sanitarium. $400,000. J. N. Coleman, 3251 St. Lawrence Ave., Chicago, archt. N. L. Smith, Crown Point, associated archt.

Ind., Ft. Wayne—Insurance—Lincoln Life Insurance Co., Lincoln Life Bldg., plans brick. $300,000. Architect not announced.

Ind., Indianapolis—Temple—Murat Temple of Ancient Order Nobles of Mystic Shrine plans 100 x 200 ft., brick and steel. $500,000. Rubush & Hunter, 430 Amer. Cent. Life Bldg., archts.

Mich., Detroit—Hospital—Health Bd., 1415 St. Antoine St., having plans prepared by A. Kahn, archt., 1000 Marquette Bldg., for first unit, 4 story, rein.-con., brick and steel, plain foundation, 12th St. Total $3,000,000.

Mich., Northville—Prison—Detroit House of Correction, Russell and Alfred Sts., Detroit, plans rein.-con., brick and steel, here. $2,500,000. Engineer not selected.

Ill., Chicago — Apartment — H. Dalsey, archt., 2321 West North Ave., preparing plans and soon receives bids 3 story, 85 x 18 ft., rein.-con., brick and steel, Greenview Ave. and Jonquil Terrace. $190,000. Owners name withheld.

Ill., Chicago—Apartment—C. J. Johnson, archt., 5124 North St. Louis Ave., soon receives bids 3 story, 150 x 152 ft., rein.-con., brick and steel, Winchester and Winona Aves. $200,000. Owners name withheld.

Ill., Chicago — Apartment — Ludgin & Leviton, archts., 53 West Jackson Blvd., preparing plans and soon takes bids 3 story, 126 x 144 ft., rein.-con., Spaulding and Schubert Aves., for W. Leibovitz, c/o architects. $200,000.

Ill., Chicago—Hotel—Bryn Mawr Beach Hotel Co., c/o Marshall & Fox, archts., 271 North Michigan Ave. had sketches made, 20 story, 200 x 200 ft., rein-con., brick and steel, Sheridan Rd., Catalpa St. and Bryn Mawr Ave. $5,000,000.

Ill., Chicago — Store and Office — D. S. Klafter, archt., 64 West Randolph St., preparing plans and soon takes bids 5 story, 100 x 125 ft., rein.-con., brick and steel, Halsted Ave. and 69th St., for J. H. Optner, c/o architect. $250,000.

Ill., Collinsville—High School—Bd. Educ. having plans prepared by J. W. Kennedy, archt., 1st Natl. Bank Bldg., East St. Louis, 3 story, brick, steel, rein.-con. and stone. $150,000.

Ill., Fairbury—Bank—Hewitt & Emerson, archts., 1600 Peoria Life Bldg., Peoria, preparing plans 3 story, brick, steel, rein.-con. and terra cotta. $150,000. Owners name withheld.

Ill., Tolono — High School — Bd. Educ., Dist. 307, having plans prepared by C. M. Lewis & Dougherty, archts., 519 Temple Bldg., Danville. 2 story, rein.-con., brick and stone. $150,000. J. Martin, pres. Noted Nov. 17.

Ill., Virden — High School — Bd. Educ. having plans prepared by J. W. Royer, archt., Flat Iron Bldg., Urbana, 2 story, rein.-con., steel, brick, stone and tile. $160,000. F. H. Shriver, secy.

Wis., Cudahy—Grade School—School Bd. having plans prepared by Rosman & Wierdsma, archts., 424 Jefferson St., Milwaukee, 2 story, 81 x 155 ft., brick, tile and concrete, plain foundation. $150,000. Noted Oct. 20.

Wis., Milwaukee—Store and Office—A. Tegtmeyer, 401 Grand Ave., plans 7 story, 50 x 150 ft., brick and concrete, plain foundation, Grand Ave. $300,000. Architect not selected.

Wis., West Bend—Business—Fuge Hardware Co. opens bids about Feb. 1, 3 story, 85 x 121 ft., brick, tile and concrete, plain foundation, Main St. $150,000. J. E. Hennen, 74 South Main St., Fond du Lac, archt. Noted Oct. 27.

Ia., Iowa City—Hotel—Jefferson Hotel Co., Washington and Dubuque Sts., had plans prepared 3 story, 40 x 140 ft. addition, rein.-con., brick, tile and Indiana cut stone. $150,000. Private plans.

Ia., Maquoketa—High School—Bd. Educ. having plans prepared by A. H. Ebeling, archt., Kahl Bldg., Davenport, 2 story, rein.-con., brick, tile and stone. $150,000. C. W. Farr, secy.

Minn., Hibbing—City Hall—Town opens bids about April 15, 2 story, 62 x 136 ft., rein.-con., brick and steel. $250,000. Halstead & Sullivan, 409 Palladio Bldg., Duluth, archts. and engrs.

Minn., St. Paul — Hospital — West Side General Hospital Assn., c/o J. M. Baltinger, 690 East 7th St., plans 3 or 4 story, rein.-con., brick, tile and stone, 225 Prescott Ave. $250,000. Architect not announced.

Kan, Independence — Convention Hall—City c/o G. H. Krienhagen, clk., having plans prepared by R. & E. R. Meier, archts., Lincoln Bldg., St. Joseph, Mo., 2 story, 120 x 165 ft., incl. gymnasium, banquet rooms, auditorium, lodge room, ante room, etc. $246,000.

Kan., Salina—Store—Putnam Investment Co. having plans prepared by I. L. Zerbe, archt., Salina, 2 story, 120 x 130 ft., steel, rein.-con., brick and stone, Walnut and Santa Fe Sts. $165,000.

Kan., Topeka—Hotel—Topeka Hotel Co. plans 10 story, rein.-con. and stone. $600,000. O. B. Bufler, 919 Harrison St., pres. Architect and engineer not selected.

Mo., Greenfield—Court House—Dade Co. having plans prepared by Bonsack & Pearce, archts., Laclede Gas Bldg., St. Louis, 3 story, 70 x 70 ft., brick, stone and steel. $160,000. Noted Dec. 22.

Mo., Jefferson City—College—Lincoln University having plans prepared by E. C. Janssen, archt., Chemical Bldg., St. Louis, altering present buildings and constructing four 3 story, rein.-con., brick, steel and stone buildings. $500,000.

Col., Grand Junction—Municipal—Mesa Co. takes bids about March 1, 3½ story, 52 x 140 ft., granite, stone, steel and marble. $240,000. E. Groves, Foster Bldg., Detroit, archt.

Utah, Salt Lake City—High School—School Bd. had plans prepared by Cannon & Fetzer, archts., Templeton Bldg., remodeling and 2 story, 109 x 190 ft., concrete and brick addition, to West High School, 2nd St., W. $150,000.

Utah, Salt Lake City—Terminal—Bamberger Electrical R.R., and Salt Lake & Utah R.R. Electric Ry. Bldg., having plans prepared by Young & Hansen, engrs. and archts., McKornick Bldg., 2 story, 177 x 184 ft., rein.-con. and steel railroad terminal, incl. stores, offices and train sheds. $250,000.

Wash., Everett — Hospital — Genl. Hospital Assn. having plans prepared by Stevens & Lee, archts., 9 Park St., Boston, Mass., for new hospital. $160,000. Bebb & Gould, Securities Bldg., Seattle, superv. archts.

Cal., Fresno—High School—Washington Colony High School Dist. having preliminary plans prepared by Swartz & Ryland, archts., Rowell Bldg., for high school. $200,000.

Cal., Fresno — Store — Radin & Kamp, 1935 Tulare St., had preliminary plans prepared for store, Grand Central corner. $1,000,000. Architect's name withheld.

Cal., Fullerton—Hotel—Durfee & Benchley, archts., Fullerton, take bids about Feb. 1, 3 story, 135 x 160 ft., brick and tile, for Community Hotel Co. $150,000.

Cal., Los Angeles—Hospital and Dormitories—Morgan, Walls & Morgan, archts.,

Buildings (Continued)

1124 Van Nuys Bldg., takes bids about Feb. 1, 1 and 4 story, 50 x 120 ft. hospital, 2 story, 40 x 120 ft. and 2 story, 40 x 170 ft. dormitories, rein.-con., for Hollenbeck Home, Boyle Ave. $300,000.

Cal., Los Angeles—Hotel—L. Schultz and S. F. Weaver, archts., 17 East 49th St., New York, soon take bids 12 story, brick, stone and steel, 5th and Olive Sts., here. $10,000,000. Owners name withheld. H. Balcom, 10 East 47th St., New York, engr.

Cal., Los Angeles—Store and Loft—Sun Drug Co., c/o A. E. Curlett, archt., 518 Merchants Bank Bldg., having plans prepared 12 story, 66 x 88 ft., 7th and Hill Sts. $500,000.

Cal., San Mateo — School — Trustees of San Mateo Grammar School Dist. having plans prepared by J. J. Donovan, archts., Perry Bldg., Oakland, school, Poplar Ave. between C and D Sts. $200,000.

Cal., Taft—High School—Taft Union High School Dist. to vote Feb. 10, on $380,000 bonds for additions. Architect not selected.

Ont., London—Business—Cowan Hardware Co., 127 Dundas St., having plans prepared by Watt & Blackwell, archts., Bank of Toronto Bldg., 6 story, 60 x 300 ft. brick and stone, Dundas St. $150,000. Prices wanted on all materials.

Ont., Ottawa — Store — L. W. Paulins, Sparks St., plans new store, Sparks St. $300,000. Architect not selected.

Ont., Toronto—Schools—Bd. Educ., 155 College St., plans new schools as follows: 8 room, Norway and Roden Dist., 12 room school to relieve Ryerson, Brant, Manning and Niagara Schools, 12 room to relieve Ogden, McCaul, Landsdown, Orde and King Edwards Schools, 8 room to relieve Grace, Givens, and Muir Schools, 14 room, Jarvis St. Collegiate; also following additions, 8 rooms to Balmy Beach, 4 rooms to Gledhill, 6 rooms to Kitchener, 8 rooms to North Rosdale, 8 rooms to Morse and Leslie, 5 rooms to Bedford Park, 5 rooms to McMurrich, 3 rooms to Hughes, 3 rooms to Hester Howe, 3 rooms to Parkdale, 6 rooms to Runnymede, 2 rooms to Norway, 4 rooms to Roden and 4 rooms to Hodgson, all concrete, brick, steel, stone and tile. $3,400,000. W. W. Pierce, 155 College St., archt.

Ont., Toronto—Schools—Separate School Bd., 477 Jarvis St., plans 8 room school on Fairbank St., 8 room on Jane and Bloor Sts. and 16 room addition to St. Mary School, Bathurst St., rein.-con., brick and steel. $400,000. Architect not selected.

BIDS DESIRED

Mass., Boston—Store and Office—Jan. 31, by Parker, Thomas & Rice, archts., 110 State St., 8 story, 24 x 71 ft., rein.-con., brick and steel, plain foundation, 43-45 Winter St., for Flagg Estate. $150,000. Noted Oct. 6.

Mass., Dorchester (Boston P. O.)—Church — St. Ambrose Roman Catholic Church, Adams St., receiving bids 1 story, 71 x 161 ft., brick, Adams St. $150,000. W. R. McGinty, 8 Percival St., archt.

Mass., Gardner—Town Hall—Feb. 6, by R. N. Wiley, chn. Memorial Bldg. Com., 3 story, 170 x 252 ft., brick, steel and stone, West Gardner St. $350,000. (Foundation in under separate contract.) P. Varney, 25 Exchange St., Lynn, archt. Noted Apr. 7.

Conn., Hartford — Business — D'Esopo Realty Corp., 647 Main St., receiving bids remodeling store and business building, Main and Sheldon Sts. $150,000. H. H. Beckinstin, 54 Church St., archt. Noted Dec. 15.

N. Y., Corning—Academy—Feb. 15, by Bd. Educ., for Corning Free Academy, Pine and 3rd Sts. H. Greenley and F. H. Dewey & Co., Inc., 175 5th Ave., New York, archts. and engrs.; adv. this issue. Noted Jan. 12.

N. Y., New York—Apartment—Lucania Realty Co., c/o R. Candela, archt. and engr., 200 West 72nd St., 15 story, brick, steel and stone, plain foundation, 2480 Bway. $1,500,000. Work will be done by separate contracts.

N. Y., New York—Apartment—Masse Realty Corp., c/o Springsteen & Goldhammer, archts. and engrs., 32 Union Sq., 5 story, brick, steel and stone, plain foundation, Webb Ave. $225,000. Work will be done by separate contracts.

N. Y., New York—Apartment—J. Wein, c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., 5 story, brick, steel and stone, plain foundation, 179th St. and Andrews Ave. $200,000. Work will be done by separate contracts.

N. Y., New York—Church—Jan. 30, by Ludlow & Peabody, archts. and engrs., 101 Park Ave., brick, steel and stone, Park Ave. and 34th St., for Community Church of New York, 61 East 34th St. $150,000. Noted May 26.

Pa., Johnstown—Clubhouse, etc.—March 1, by Sunnehanna Country Club, c/o H. M. Rogers, archt., Trust Bldg., 3 story, 100 x 120 ft. clubhouse and 40 x 100 ft. concrete swimming pool. $150,000.

Pa., Phila.—Library—March 1, by H. Trumbauer, archt., Land Title Bldg., 2 story, 212 x 313 ft. brick and stone, 19th and 20th Sts. and Parkway for Comn. of Fairmount Park. $3,000,000. Noted Dec. 1.

Md., Baltimore—Office—First Mortgage Bond & Homestead Assn., 101 East Pleasant St., receiving bids 4 story, brick addition, Courtland and Pleasant Sts. $150,000. Wyatt & Nolting, Keyser Bldg., archt.

N. C., Southport—High School—Feb. 9, by R. Dosher, chn. Bd. Trustees, 2 story, brick. $150,000. W. J. Wilkins & Co., Wilmington, archts. Noted Dec. 15.

Fla., Lakeland—College—Feb. 7, by W. O. Lemasters, Business Mgr. Southern College, two 3 story and one 2 story, rein.-con., tile and brick. $300,000. F. H. Trimble, Orlando, archt.

O., Cleveland—Apartment—Feb. 2, by M. Lees, 2099 Lamberton Rd., 2 story, 104 x 142 ft., brick and timber, plain foundation, Page and Euclid Aves. $150,000. A. F. Janowitz, Permanent Bldg., archt.

O., Cleveland—Apartment—T. C. Minor, archt., Wade-Chatteau Apartments, taking bids 4 story, 56 x 256 ft., brick and timber, plain foundation, 7338 Euclid Ave., for Euclid-Carnegie Co., c/o architect, $300,000.

O., Cleveland—Apartment—Feb. 6, by M. F. Narosny, 12617 Edmonton Ave., 3 story, 121 x 126 ft., brick and timber, plain foundation, Overlook Rd. near Kenilworth Rd. $200,000. M. Weis, Union Bldg., archt. Noted Nov. 3.

O., Columbus—Feb. 9, by J. W. Pontius, secy. Y. M. C. A., South 3rd St., 8 story, 187½ x 187½ ft., Front and West Long Sts. $650,000. (Foundation contract awarded.) W. F. Shattuck, 19 South La Salle St., Chicago, archt. Noted Jan. 27.

Ind., Clinton—Hospital—March 8 by Bd. Hospital Trustees, 2 story, 135 x 180 ft., rein.-con., brick and steel, $150,000. J. G. Vrydaugh and Thomas & Allen, 25½ South 5th St., Terre Haute, archts. Noted Jan. 12.

Ind., Newcastle—Bank—Feb. 15 by McGuire & Shook, archts., 320 Ind. Pythian Bldg., Indianapolis, 2 story, 40 x 115 ft., brick and stone, for Farmers Natl. Bank. $150,000. Noted Jan. 12.

Mich., Detroit — Coliseum — Feb. 9, by Michigan State Fair Assn., 502 Bowles Bldg., 1 story, 242 x 361 ft., rein.-con., brick and steel, plain foundation, State Fair Grounds. $250,000. L. W. Fry, Ann Arbor, archt. Noted Nov. 10.

Ill., Chicago—Apartment—R. F. France, archt., 155 North Clark St, receiving bids 3 story, 95 x 148 ft., rein.-con., brick and steel, at 2814 Cambridge Ave., for C. F. Henry, 7455 Greenview Ave. $200,000.

Ill., Chicago—Apartment-Hotel—A. S. Hecht, archt., 225 East Erie St., receiving bids 7 story, 50 x 107 ft., rein.-con., brick and steel, 647-49 Sheridan Rd., for J. Vehon, 651 Sheridan Rd. $400,000.

Ill., Chicago—Bank and Office—W. G. Uffendel, archt., 39 South State St., receiving bids 2 story, 75 x 110 ft., rein.-con., brick and steel, Western Ave. near Lawrence Ave., for Bowmanville Natl. Bank, c/o architect. $250,000. Noted Aug. 18.

Ill., Chicago—School—A. Foster, archt., 56 East Randolph St., receiving bids 3 story, 65 x 120 ft., rein.-con., brick and steel, North Hoyne and Lyndale Ave., for St. Hedwig Catholic Parish, c/o S. Siatka, Hoyne and Lyndale Ave. $160,000. Noted Mar. 17.

Ill., Rockford—High School—Feb. 9, by Bd. Educ., 3 story, brick, rein.-con., limestone and terra cotta, Hackell Ave. $650,000. E. E. Lewis, supt. Peterson & Johnson, Swedish Amer. Bank Bldg., archts. Noted Aug. 4.

Ill., Rockford—Home—Feb. 25, by C. W. Bradley, archt., Brown Blk., 3 story, 117 x 186 ft., with 2 wings, for O. E. S. and A. F. & A. M. Home. $250,000. K. H. Swartz, 1440 Glenlake Ave., Chicago, pres.

Ill., Toulon—High School—Jan. 31, by Bd. Educ. High School Dist. 4, and Hewitt & Emerson, archts., 1600 Peoria Life Bldg., Peoria, 2 story, brick, steel, rein.-con. and stone. $150,000. J. A. Nowlan, secy. Noted Aug. 25.

Kan., Peabody—High School—Feb. 8, by Bd. Educ., 2 story, brick. $150,000. Mann & Gerow, Rorabaugh-Wiley Bldg., Hutchinson, archts. H. A. Noble, 411 Reliance Bldg., Kansas City, Mo., engr. Noted Sept. 29.

S. D., Canton—High School—Feb. 14, by Bd. Educ., 2 story, 75 x 200 ft., rein.-con., brick, tile and stone. $165,000. H. J. Brown, clk. Schuemacher & Finkelhor, 315 Paulton Blk., Sioux Falls, archts. Noted July 14.

Mo., St. Louis—Hospital—Jan. 31, by A. B. Groves, archt., Stock Exch. Bldg., 7 story, 160 x 280 ft., rein.-con., brick and steel, Belleview St. and Clayton Rd., for Sisters of St. Mary, 1536 Papin St. $1,000,000. Former bids rejected. Noted Sept. 8.

Ont., Ottawa—Collegiate—Feb. 6, by G. Bowie, chn. Ottawa Collegiate Bd., 7 Monkland Ave., 3 story, 20 room, rein.-con., brick and steel. $700,000. J. A. Ewart, Jackson Bldg., archt. Noted Sept. 15.

Ont., Ottawa — Collegiate — Feb. 5, by Ottawa Collegiate Bd., Elgin St., for stone, brick and carpenter work for institute, Carling Ave. J. A. Ewart, Jackson Bldg., Bank St., archt.

CONTRACTS AWARDED

N. Y., Brooklyn — Apartment — Zolo Constr. Co., c/o Seelig & Finkelstein, archts. and engrs., 44 Court St., 5 story, brick, steel and stone, plain foundation, Bway. and Gouveneur St., by day labor. $165,000.

N. Y., New York—Apartment—Johnson-Deischel Building Co., c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., 5 story, brick, steel and stone, plain foundation, Prospect Ave., by day labor. $200,000.

N. Y., New York—Apartments—C. Mark Realty Co., c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., two 5 story, brick, steel and stone, plain foundations, 188th St. and University Ave., by day labor. $160,000 each.

Pa., Phila.—Art Museum—Steel contract for 2 story, rein.-con., brick, steel and stone art museum, Fairmount Park, to Amer. Bridge Co., Widener Bldg., over $200,000. Noted Dec. 22.

Pa., Pittsburgh—Nurses Home—Western Penn Hospital, Friendship Ave., 6 story, 43 x 44 x 66 x 115 x 183 ft. nurses home, Friendship Ave., to Hughes Foulkrod Co., Oliver Bldg., $552,000. Noted Jan. 12.

Md., Baltimore—Theatre—Metropolitan Theatre Co., Maryland Casualty Bldg., 77 x 99 ft., rein.-con. and brick, Pennsylvania and North Aves., to Consolidated Eng. Co., Calvert Bldg., $175,000. Noted Jan. 12.

Mich., Detroit—Library—Public Library Comn., Woodward Ave., 2 story, rein.-con., brick and steel, plain foundation, Grand River and Stoepel Aves., to Corrick Bros., 507 Owen Bldg., $150,000. Noted Dec. 8.

Ill., Chicago—Apartment—E. Carson, c/o A. Sandegren, archt., 116 East Oak St., 3 story, 95 x 136 ft., rein.-con., brick and steel, 3919 Pine Grove Ave., to Olsen-Carson Co., 5037 Dorchester Ave., $200,000.

Ill., Chicago—Apartment—C. F. Henry, 7455 Greenview Ave., 3 story, 95 x 148 ft. rein.-con., brick and steel, 2814 Cambridge Ave., to Anderson & Winolad, 6234 South Michigan Ave. $200,000.

Ill., Chicago—Apartment—J. A. Nyden, archt., 190 North State St., 3 story, 107 x 150 ft., rein.-con., brick and steel, Winthrop and Greenlake Aves., to Nelson & Borg, c/o architect, for C. R. Gleason, 111 West Washington St. $200,000. Noted Dec. 29.

Ill., Chicago—Restaurant and Office—A. S. Alschuler, archt., 28 East Jackson Blvd., 2 story, 100 x 132 ft., rein.-con., brick and steel, 63rd St. and Drexel Blvd., to Heidel & Beck, 6235 South Michigan Ave., for D. Schetnitz, c/o architect. $175,000. Noted Dec. 1.

Wis., Marathon—Dormitory and School—St. Anthony Monastery, 2 story, 80 x 160 ft., brick, tile and concrete, plain foundation, to F. W. Krause, Wausau, $150,000. Noted Dec. 22.

Mo., Florissant—Chapel—St. Stanislaus Seminary 2½ story, 94 x 162 ft., rein.-con., brick, steel and stone, to J. Godfrey & Co., Wainwright Bldg., St. Louis. $300,000. Noted Jan. 5.

Cal., Los Angeles—High School—Bd. Educ., Security Bldg., 2 story, 132 x 350 ft., rein.-con., brick and tile, Bronson Ave. near Fountain Ave., to Los Angeles Planing Mill Co., 1812 Industrial St., $284,510. Noted Jan. 19.

Cal., Los Angeles—Office and Depot—Union Pacific R.R., Pacific Electric Bldg., 2 story, 80 x 200 ft. office and 1 story, 50 x 600 ft. freight depot, rein.-con., Hunter St. near Lemon St., to Lynch-Cannon Co., Dooly Bldg., Salt Lake City, Utah, $210,050. Noted Sept. 15.

Ont., Ottawa—Collegiate—Ottawa Collegiate Bd., Elgin St., structural steel and iron stairs, for institute on Carling Ave., to Dominion Bridge Co., Queen St., $55,987 and $7,370 respectively. See item under "Bids Desired."

Cal., Los Angeles—Hotel—Hollywood Hotel Co., Hollywood Blvd. and Highland

Buildings (Continued)

Ave., first unit, 5 story, 56 x 150 ft., rein.-con., Hollywood Blvd. and Highland Ave., to Milwaukee Bldg. Co., Wright and Callender Bldg. Total $1,250,000.

Federal Government Work

PROPOSED WORK

N. Y., Sayville—Heating System—Spec. 4578—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans heating system in radio station, here.

N. J., Lakehurst—Storeroom—Spec. 4580—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans storeroom for gas cells, here.

D. C., Wash.—Archives Building—Treas. Dept. plans archives building for government records, here.

D. C., Wash.—Building—Treas. Dept., plans 3 story, vault and office building, in north court of Treasury Building, complete incl. mechanical equipment.

Ala., Tuskegee—Hospital—Treas. Dept., Wash., D. C., takes bids about March 15, for U. S. Pub. Health Serv. Hospital, here. J. A. Wetmore, acting superv. archt. Noted Jan. 12.

Ind., Marion—Hospital—Natl. Home for Disabled Volunteer Soldiers, Dayton, O., having plans revised by Schenck & Williams, archts., Mutual Home Bldg., Dayton, O., 1 story, 42 x 315 ft., brick, tuberculosis hospital, here. $150,000. G. W. Wood, pres. Noted Dec. 22.

Utah — Irrigation — U. S. Recl. Serv., Wash., D. C., R. E. Caldwell, state engr., Salt Lake City, and Utah Water Storage Comn., will have preliminary surveys made to determine feasibility of storing water of Weber and Provo Rivers and diverting same for use in five counties through about 150 mi. canals. $1,250,000.

Wash., Puget Sound—Ordnance Station—Spec. 4577—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans addition to Building 368 for Ordnance Station.

Cal., San Diego—Gun Shed, etc.—Spec. 4579—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans gun shed and stable at Marine Corps Base, here.

BIDS DESIRED

Va., Norfolk—Dredging—Feb. 23, by U. S. Engineer, dredging in Onancock River and in bar at mouth of same; adv. this issue.

S. C., Charleston—Piping—Spec. 4557—Feb. 1, by Bureau Yards & Docks, Navy Dept., Wash., D. C., piping for air compressor, here. Noted Dec. 1.

Ky., Louisville—Steel Hull—Feb. 17, by U. S. Engineer, Box 72, steel maneuver boat hull for Dam 48, Ohio River; adv. this issue.

Ill., Rantoul—Boiler House, etc.—Feb. 1, at office Constructing Quartermaster, Chanute Field, boiler house, ash bunker and heating system; adv. this issue.

Wis., Oconto—Post Office—Feb. 13, by Treas. Dept., Wash., D. C., U. S. Post Office, here. J. A. Wetmore, acting superv. archt.

Idaho, Boise—Changes in Construction, etc.—Feb. 10, Treas. Dept., Wash., D. C., changes in construction and mechanical equipment, at U. S. Pub. Health Serv. Hospital, here. J. A. Wetmore, acting superv. archt.

BIDS RECEIVED

Ga., Augusta—Hospital—Treas. Dept., Wash., D. C., construction of U. S. Pub. Health Serv. Hospital, here, from Northeastern Constr. Co., Charlotte, N. C., $263,000, A. Blair, 11 South Lawrence St., Montgomery, Ala., $268,986, Charlottesville Lumber Co., Charlotteville, Va., $269,600; mechanical equipment for above from Noland-Clifford Co., Inc., 330 28th St., Newport News, Va., $134,963, W. G. Cornell Co., 19 Paterson St., N. E., Wash., D. C., $146,600, C. F. Mentzingers Sons, 354 Bway., Brooklyn, N. Y., $148,683. Noted Dec. 29.

CONTRACTS AWARDED

R. I., Newport—Dredging—Spec. 4552—Bureau Yards & Docks, Navy Dept., Wash., D. C., dredging Goat Island, here, to Bay State Dredging & Constr. Co., 62 Condor St., East Boston, Mass., $0.72 per cu.yd. scow measure in place, total $8,500. Noted Jan. 19.

D. C., Bellevue—Underground Utilities—Spec. 4530—Bureau Yards & Docks, Navy Dept., Wash., underground utilities, at Naval Experimental and Research Laboratory, here, to N. Clifford, 330 28th St., Newport News, Va., $53,700 (150 days) Noted Jan. 5.

Va., Hampton Roads—Dredging—Spec. 4571—Bureau Yards & Docks, Navy Dept., Wash., D. C., dredging at naval operating base, here, to Norfolk Dredging Co., Compostella, Norfolk, $0.155 per cu.yd. scow measure, total $32,550. Noted Jan. 19.

Wash., Puget Sound—Pier—Spec. 4556—Bureau Yards & Docks, Navy Dept., Wash., D. C., rebuilding and extending Pier 5, Navy Yard, here, to Henry & McFee, 208 Northern Life Bldg., Seattle, $637,724. (360 days). Noted Dec. 22.

Cal., San Diego—Post Exchange and Dispensary—Spec. 4527—Bureau Yards & Docks, Navy Dept., Wash., D. C., for post exchange and dispensary buildings complete incl. heating, plumbing and lighting systems, at Naval Base, here, to Campbell Building Co., 801 Newhouse Bldg., Salt Lake City, Utah. $169,670 (165 days). Noted Dec. 29.

Cal., San Diego—Sterilizing Equipment—Spec. 4576—Bureau Yards & Docks, Navy Dept., Wash., D. C., sterilizing equipment at Naval Base Hospital Reservation, here, to Amer. Sterilizer Co., 12th and Plum St., Erie Pa., $2,149. (95 days). Noted Jan 12.

Miscellaneous

PROPOSED WORK

Parks—New Haven, Conn.—Will sell $250,000 bonds, park improvements. E. S. Nettleton, city engr.

Jetty—Longport, N. J.—Boro plans stone jetty at entrance to Coldspring Inlet and Cape May Harbor. $100,000.

Golf Course — Chagrin Falls, O. — See "Buildings."

Train Sheds—Salt Lake City, Utah—See "Buildings."

Asphalt Heating Plant—Santa Rosa, Cal.—Supervs. Sonoma Co. reject bid received Jan. 11, constructing asphalt heating plant. $4,000. Project indefinitely postponed. Noted Dec. 29.

BIDS DESIRED

Bathing Pavilion, etc.—Stamford, Conn.—Bd. Park Comrs. receiving bids 1 and 2 story, brick and steel bathing pavilion, plain foundation, Halloween Park. $150,000. E. B. Stratton, 150 Devonshire St., Boston, archt.

Heating and Ventilating Apparatus, etc.—Brooklyn, N. Y.—Jan. 27, by Bd. Educ., 500 Park Ave., New York, installing heating, ventilating and temperature apparatus in P. S. 54, here. $50,000. C. B. J. Snyder, Municipal Bldg., engr.

Steam Heating, Plumbing, etc.—Fernwood (Trenton P. O.), N. J.—Feb. 7, by State Hy. Comn., Trenton, furnishing and installing steam heating, plumbing fire sprinkler system, electric power and lighting, water tanks and supports, in connection with construction of service station, here. C. A. Mead, 790 Broad St., Newark, bridge engr.; adv. this issue.

Ornamental Lights—Long Branch, N. J.—Feb. 7, by Bd. City Comrs. installing ornamental lights on Ocean and Long Branch Aves. E. F. Lawyer, clk.; adv. this issue.

Swimming Pool — Johnstown, Pa. — See "Buildings."

Block Signals, etc.—Phila. Pa.—Jan. 31, by city block signals and interlockings for Frankford Elevated R.R., Contr. 615. H. H. Quimby, 1211 Chestnut St., engr.

Gasoline Shovel, etc.—Richmond, Va.—W. E. Carter, 500 South Lombardy St., taking bids, gasoline shovel, skimmer scoop and back filler.

Electric Capstans—New Orleans, La.—Feb. 6, by Bd. Port Comrs., Suite 200, New Orleans Court Bldg., 2 electric capstans, etc. S. Young, 1 Canal St., ch. engr.; adv. this issue.

Boiler, Engine, Dump Cars, etc.—Johnson City, Tenn.—Doe River Sand Co., 208 East Main St., receiving bids 10-12 h.p. portable steam boiler and engine, six 1-2 yd. dump cars, side or end dump, small hoisting outfit, rotary screens, ½ mi. 16-20 lb. relaying rail.

Retaining Wall—Greenfield, Ind.—See Streets and Roads.

Crane—Hammond, Ind.—Feb. 15, by Bd. Pub. Wks., traveling crane. J. Ericson, 30 North LaSalle St., Chicago, consult. engr.; adv. this issue.

Foundation—Hibbing, Minn.—Jan. 31, by town, foundation for 2 story, 62 x 136 ft. City Hall. Total $250,000. Halstead & Sullivan, 409 Palladio Bldg., Duluth, archts. and engrs.

Power Equipment — Hibbing, Minn.—July 31, by D. D. Haley, secy. Water and Light Comn., equipment for power plant. $50,000. C. Foster, Hibbing, engr.

Cement—Red Wing, Minn.—Feb. 1, by Bd. Pub. Wks., furnishing 1,000 bbl. portland cement. S. T. Irvine, clk.

Cement—West Bend, Wis.—Feb. 14, by Road and Bridge Comn. Washington Co., 55,000 bbl. cement. C. J. Johnson, comr.

Tunnel—Houston, Tex.—Asking bids for 450 ft. tunnel, 250 ft. approaches on Main St., 6,500 cu.yd. concrete and 600 ton structural shapes. $250,000. J. C. McVea, city engr.

Subway—South Pasadena, Cal.—Feb. 13, by City Clerk, pedestrian subway under Huntington Drive at Fremont Ave., rein.-con., 180 ft. long, 6 x 6 ft., square walls and roof, 6 in. thick, 18 in. thick under railroad tracks. $15,000. R. V. Orbison, city engr.

Cement—Toronto, Ont.—Feb. 14, by W. A. McLean, deputy minister of Dept. Pub. Highways, Parliament Bldgs., 50,000 bbl. cement, f.o.b. cars at various stations south of line joining Washago and Pembroke. $200,000. G. Hogarth, Parliament Bldgs., ch. engr.

BIDS RECEIVED

Asphaltic Wearing Surface Sand, etc.—New York, N. Y.—J. Miller, pres. Manhattan Boro, Municipal Bldg., opened bids Jan. 18, furnishing and delivering (1) 10,000 cu. yd. asphaltic wearing surface sand, (2) 600 ton asphaltic paving cement, (3) 2,000 cu.yd. coarse aggregate for concrete, (4) 4,000 cu.yd. binder stone, (5) 3,000 cu.yd paving sand, (6) 30,000 gal. gasoline, (7) 300,00 gal. refined asphalt, (2) 2,000 ton inorganic dust, (9) 300,000 wood paving blocks, from P. F. Mahoney, (1) $1.18 per cu.yd., total $11,800; C. W. Crane, 17 Battery Pl., (1) $1.20, $12,000; Dubach Contg. Co., (1) $1.30, $13,000, (3) $2.30, $4,600; Standard Oil Co., 26 Bway., (2) $23, $13,824, (6) $0.226, $6,780, (7) $0.06½, $20,000; Warner Quinlan Co., 79 Wall St., (2) $27.48, $16,488, (7) $0.076, $22,800; Calvin Tomkins Co., 30 Church St., (3) $2.19, $4,380, (4) $1.78, $7,120; New York Trap Rock Corp., 101 Park Ave., (3) $2.22, $4,400, (4) $1.90, $7,600, (8) $8.75, $17,500; Manhattan Sand Co., Inc., 418 East 49th St., (5) $1.45, $4,350; Ames Building Material Co., 3437 Kingsbridge Ave., (5) $1.59½, $4,785; F. Starr Contg. Co., 220 West 42nd St., (5) $1.63, $4,890; Tidewater Oil Sales Corp., 11 Bway., (6) $0.233, $6,990; Texas Co., 17 Battery Pl., (6) $0.239, $7,170; Palmer Lime & Sand Co., (8) $9.55, $19,100; Amer. Creosoting Co., 17 Battery Pl., (9) Spec. A, $38.70, $11,610, Spec. B, $40.55, $12,165, Spec. C, $36.81, $11,043. Noted Jan. 12.

Portland Cement—New York, N. Y.—J. Miller, pres. Manhattan Boro, Municipal Bldg., opened bids Jan. 18, furnishing and delivering 15,000 bags Portland cement, from J. A. McCarthy, 551 Exterior St., $0.64 per bag, total, $9,600; Saverno Products Co., 3709 Ft. Hamilton Parkway, Brooklyn, $0.664, $9,960; Travis Supply Co., $0.68, $10,200. Noted Jan. 12.

Station Finish—New York, N. Y.—Transit Comn., 49 Lafayette St., opened bids Jan. 18, for completion of construction and station finish for 2 stations on Bway.-4th Ave. Rapid Transit R.R., from J. Schlesinger, 259 West 30th St., $28,305; Williams & Quinn, 405 Lexington Ave., $28,396; E. Balaban & Co., 51 East 42nd St., $28,599. Noted Dec. 29.

Terminal Sub-structure—San Francisco, Cal.—State Rd. Harbor Comrs., Ferry Bldg., sub-structure for China Basin Terminal, (1) 22,000 yd. dredging, (2) 198,000 yd. sand fill, (3) 4,500 ton Class A rock, (4) 33,000 ton Class B rock, (5) 300,000 lin.ft. green piles, (6) handling and driving 300,000 lin.ft. piles, (7) all other work not included in items 1 to 6, from Healy-Tibbitts Co., 9 Main St., (1) $0.75, (2) $0.40, (3) $3, (4) $1.25, (5) $0.20, (6) $0.15, (7) $505,893, total $761,343; Hannah Bros., 142 Sansome St., (1) $0.50, (2) $0.57, (3) $3.75, (4) $2, (5) $0.24, (6) $0.15, (7) $456,265, total $780,000; San Francisco Bridge Co., Nevada Bank Bldg., (1) $2.30, (2) $0.65, (3) $3.30, (4) $0.90, (5) $0.21, (6) $0.18, (7) $536,850, total $877,700. Noted Dec. 29.

CONTRACTS AWARDED

Station Finish—New York, N. Y.—Transit Comn., 49 Lafayette St., station finish for 4 stations of 14th St.-Eastern Rapid Transit R.R., to J. S. Brown, 7 East 42nd St., $290,000. Noted Jan. 12.

Oil Tanks—New Orleans, La.—Sewerage and Water Bd., two oil tanks, 55,000 bbl. capacity each, to W. P. Copping Steel Plate & Iron Wks., 439 North St. Patrick St., $36,800. Noted Nov. 3.

Dock—Kalama, Wash.—Comrs. Cowlitz Co. to Lewis River Boom & Logging Co., Ridgefield, for dock on Pier 1, 44,502 lin.ft. cedar piling in place below cutoff, $0.05 per lin.ft., 5,190 fir piling in place below cutoff, $0.05, etc., total, $21,034.

OFFICIAL PROPOSALS

Bids: Feb. 1.

Road and Bridge Construction

Belvidere, N. J.

Notice is hereby given that sealed bids will be received by The Board of Chosen Freeholders of the County of Warren for the construction of Section No. 3, Washington-Buttzville Road in the Township of White, in the County of Warren.

The work includes 28,432 cu.yd. excavation, 6,253 sq.yd. concrete pavement, construction of 2-span concrete bridge containing 2,600 cu.yd. concrete.

Bids will be opened and read in public at the office of the said Board in the Court House, Belvidere, N. J., on Wednesday, Feb. 1, 1922, at 11 o'clock A.M.

Drawings, specifications and forms of bid, contract and bond for the proposed work, prepared by H. W. Vetter, County Engineer, and approved by the State Highway Commission, have been filed in the office of the said engineer at Belvidere, N. J., and of said State Highway Commission, Trenton, N. J., and may be inspected by prospective bidders during business hours. Bidders will be furnished with a copy of the specifications and blue prints of the drawings by the engineer on proper notice and a deposit of $10.00 which will be refunded upon return of same in good condition. Bids must be made on the standard proposal forms in the manner designated therein and required by the specifications, must be enclosed in sealed envelopes, bearing the name and address of bidder and name of road on the outside, addressed to the Board of Chosen Freeholders of the County of Warren, Belvidere, N. J., and must be accompanied by a statement from a surety company authorized to do business in New Jersey, stating that it will furnish the contractor with a satisfactory bond in the full amount of the contract in case he is found to be the lowest responsible bidder and is subsequently awarded the contract, and a certified check for not less than 10% of the amount bid provided said check shall not be less than $500.00 nor more than $20,000.00 made payable to H. O. Carhart, County Treasurer, and be delivered at the place and on the hour above named. The standard proposal form is attached to the specifications, copies of which will be furnished on application to engineer.

By order of the Board of Chosen Freeholders of the County of Warren.

MORRIS S. FAUST, Clerk.

Bids: Feb. 7, 1922.

Trunk Sewers

Springwells, Mich.

Sealed proposals will be received up to 8 P.M., Feb. 7, 1922, by the Village Clerk at the Village Hall, Springwells, Mich., for the construction of Sections 1 and 2 Trunk Sanitary Sewers and Sections 4 and 5 Schaefer Road Sewer.

The following are the approximate quantities:

Section 1. 6,565 ft. of 42 in. to 72 in. Tunnel Sewer.

Section 2. 6,725 ft. of 60 in. to 66 in. Open cut and Tunnel.

Section 4. 5,208 ft. of 9 ft. 6 in. to 10 ft. Open cut and tunnel.

Section 5. 4,004 ft. of 6 ft. to 8 ft. Open cut or tunnel.

Plans and specifications are on file at the office of the Village Clerk and copies may be secured from the office of Albert Roth, Village Engineer, 2348 Penobscot Bldg., Detroit, Michigan. A deposit of $10.00 will be required for each set which will be refunded upon their return in good order on or before Feb. 17, 1921.

A certified check, made payable to the Village of Springwells, for the sum of $5,000.00 must accompany each bid on each Section. Contractors may bid on any or all sections. In case of failure or neglect to enter into contract and furnish the required bonds the certified check shall be forfeited to the Village of Springwells as liquidated damages. No proposals will be received unless made on the blanks furnished and delivered to the Village Clerk on or before 8 P.M. Feb. 7, 1922.

The Village reserves the right to reject any or all bids.

By order of the Village Council.

B. P. ESPER, Village Clerk.

Bids: Feb. 11.

Used Equipment

Wellsburg, W. Va.

Sealed bids will be received at the office of the Clerk of the County Court of Brooke County, Wellsburgh, W. Va., up until 12 o'clock noon, Eastern time, Feb. 11, 1922, for the following used equipment or so much thereof as may remain unsold in the hands of the Brooke County Court:

1 10 ton Buffalo Pitts macadam roller No. 5349.
1 14 ton Cooke macadam rolled.
1 100 ton Acme crusher and elevator.
1 30 hp. Farquhar engine and boiler.
1 Champion crusher No. 4.
1 12 hp. Peerless traction engine No. 4941.
1 20 hp. International single cylinder tractor No. UB4165.
3 1¼ cu.yd. 24 in. gage Koppel cars.
900 linear feet 24 in. gage No. 16 track.
1 lot paving brick.
2 Cleveland tractors.
4 500 gal. tar kettles.

Further information may be obtained from Country Road Engineer's office, Wellsburg, W. Va.

The court reserves the right to reject any or all bids.

H. McGRAW,
Engineer.
ABE MONTGOMERY,
Clerk.

Bids: Feb. 14.

Fabricated Steel Trusses

Salt Lake City, Utah.

Sealed bids will be received by the State Road Commission of Utah, State Capitol, Salt Lake City, Utah, at 2 o'clock p.m., February 14, 1922, and at that time publicly opened for

Furnishing of fabricated steel trusses delivered f.o.b. Ogden, Utah,

the same being a part of Federal Aid Project No. 30-B, between Ogden, Weber County, Utah, and Huntsville, Weber County, Utah.

The length of bridges to be constructed or improved is

One 100 ft. steel truss and
One 63 ft. steel truss

and the principal items of work are approximately as follows:

Furnishing complete fabricated steel necessary in the construction of two steel trusses in accordance with

plans and specifications which are on file in the office of the State Road Commission, Salt Lake City, Utah.

The above plans and specifications may be obtained at the office of the State Road Commission on depositing Ten ($10.00) Dollars. Any additional information may be secured from the State Road Engineer at Salt Lake City, Utah.

The right to reject any or all bids is reserved.

Cash or certified check for One Thousand ($1,000.00) Dollars made payable to the Utah State Road Commission must accompany each bid as evidence of good faith and as a guarantee that if awarded the contract, the bidder will execute the contract and give bond as required.

STATE ROAD COMMISSION,
By HOWARD C. MEANS,
State Road Engineer.

Construction of Pavement

Sturgis, Mich.

Sealed bids will be received by the City Commission of the City of Sturgis until 2:30 P.M. Feb. 8th, 1922 for constructing approximately—

70,000 sq.yd. reinforced concrete
55,000 lineal feet combined curb and 18 in. gutter.
15,000 cu.yd. excavation.

Alternate bids will be received on the above work using asphaltic concrete or sheet asphalt.

Bidding blanks and specifications may be obtained upon deposit of $5.00.

A certified check for $3,000 to the City Treasurer must be enclosed with each bid. Right is reserved to reject any or all bids.

R. D. BALLEW,
City Manager.

Bids: Oct. 31, 1922.

Cantilever Bridge

Sydney, Australia.

Tenders are invited by the Government of New South Wales for the construction of the superstructure and substructure of a cantilever bridge across Sydney Harbor from Dawes Point to Milson's Point, embracing a main span of 1,600 ft. in the clear, centre to centre of main piers, or 2,600 ft. centre to centre of anchor piers. The total length of bridge included in tender is 3,816 ft., centre to centre of abutments. The deck of the bridge is to include four lines of railway, and a roadway 35 ft. wide, between main trusses; and cantilevered outside the main trusses on the Western side, a footway 15 ft. wide, and on the Eastern side a motor roadway 18 ft. wide. Copies of specification, including plans, general conditions, and schedule of quantities may be obtained on application to the Under Secretary for Public Works, Sydney, or to the Agent-General for New South Wales, Australia House, The Strand, London; the Minister of Railways and Canals, Ottawa; or to the Bureau of Foreign and Domestic Commerce, Washington, D. C., United States.

To give any information required by tenders, Mr. J. J. C. Bradfield, Chief Engineer, will be in Canada and the United States during April, or early in May, 1922, address care of the Minister of Railways and Canals, Ottawa, Canada; and in London during June and July, 1922, address care Agent-General for New South Wales, Australia House, The Strand, London.

Tenders in accordance with the specification must reach the Under Secretary for Public Works, Sydney, not later than 31st October, 1922.

JOHN ESTELL,
Minister for Public Works and Railways.
Department of Public Works,
Sydney, 30th September, 1921.

Bids: Feb. 1.

Pumping Equipment

New Britain, Conn.

Sealed bids will be received by the Board of Water Commissioners at their office, Room 201, City Hall, New Britain, Conn., until one o'clock p.m., Feb. 1, 1922, for one (1) power pump, oil engine and appurtenances, capacity between 2.25 million gallons and 3.25 million gallons per 24 hours.

Proposals and specifications may be secured at the above office, or at the office of Hazen, Whipple & Fuller, 30 East 42nd St., New York City, on Jan. 18.

The city or board reserves the right to reject any or all bids, or to accept any bid, whether the lowest or not, should the board deem it to be for the interests of the City of New Britain.

Board of Water Commissioners:
FRANK J. O'BRIEN,
Clerk.
JOSEPH D. WILLIAMS,
City Engineer.

Jan. 9, 1922.

Bids: Feb. 13.

Johnson Street Bridge, Contract No. 3

Victoria, B. C.

SEALED TENDERS, addressed to the City Clerk for the fabrication and erection of part of the Superstructure of the above, consisting of a Strauss Bascule Span with plate girder approaches, will be received up to noon on February 13th, 1922.

PLANS and Specifications may be obtained from the City Engineer on and after January the 9th, by depositing the sum of Fifteen Dollars ($15.00) which will be refunded upon the return of the Plans and Specifications in good condition.

The lowest or any tender will not necessarily be accepted.

JAS. L. RAYMUR,
Comptroller.

City Hall,
Victoria, B. C.
Jan. 4th, 1922.